

Geology
GSBX-178-108

GJBX 108 -(78)

NURE AERIAL GAMMA-RAY AND MAGNETIC RECONNAISSANCE SURVEY

COOK INLET ALASKA AREA

TYONEK
ANCHORAGE

KENAI
SEWARD

SELDOVIA
BLIVING SOUND

QUADRANGLES

VOLUME II

LKB RESOURCES, INC.
55 BUCK ROAD
HUNTINGDON VALLEY, PENNSYLVANIA 19006

JULY, 1978

WORK PERFORMED UNDER
BENDIX FIELD ENGINEERING CORPORATION GRAND JUNCTION OPERATIONS
SUBCONTRACT NO. 76-015-S AND BENDIX CONTRACT EY-76-C-13-1664

PREPARED FOR THE
DEPARTMENT OF ENERGY
GRAND JUNCTION OFFICE
GRAND JUNCTION, COLORADO 81501

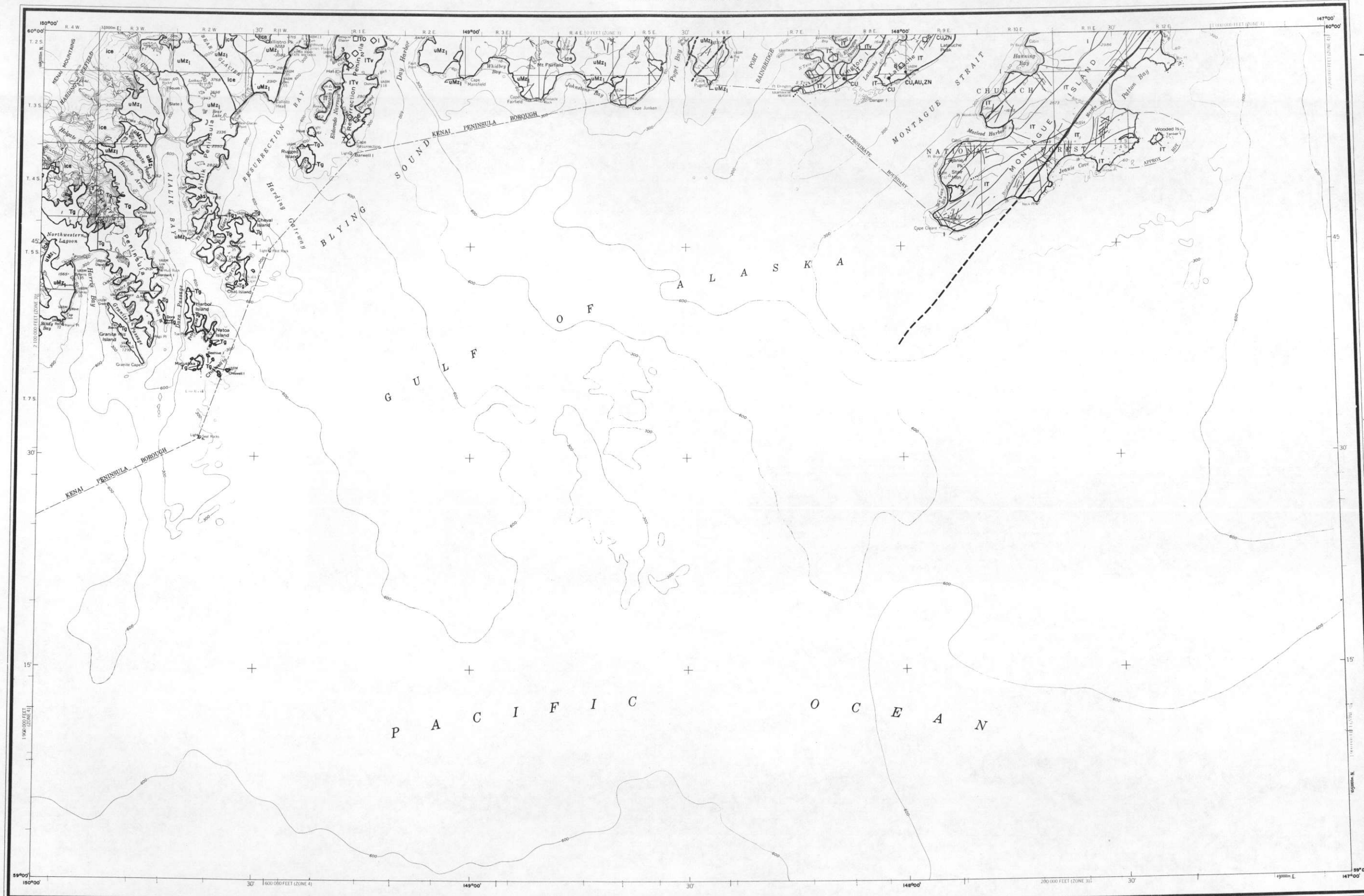
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BLIVING SOUND



LEGEND

STRATIFIED SEDIMENTARY AND VOLCANIC ROCKS MAINLY MARINE, IN PART METAMORPHOSED

- QUATERNARY**
- Qp PLEISTOCENE DEPOSITS
 - Qs QUATERNARY SURFICIAL DEPOSITS-UNDIFFERENTIATED (GENERALLY EQUIVALENT TO Qp) (MAPPED IN NW SEWARD ONLY)
- TERTIARY**
- IT LOWER TERTIARY ROCKS
 - ITv LOWER TERTIARY VOLCANIC ROCKS
- JURASSIC-CRETACEOUS**
- uMz1 CRETACEOUS AND UPPER JURASSIC (?) ROCKS
 - KJv VALDEZ (?) GROUP (GENERALLY EQUIVALENT TO uMz1) (MAPPED IN NW SEWARD ONLY)
 - uMz2 CRETACEOUS AND (OR) UPPER JURASSIC ROCKS
 - KJm Mc HUGH COMPLEX (GENERALLY EQUIVALENT TO uMz2) (MAPPED IN NW SEWARD ONLY)

PLUTONIC AND HYPABYSSAL ROCKS - FELSIC COMPOSITION

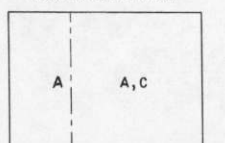
- TERTIARY**
- Tg TERTIARY GRANITIC ROCKS
 - Tog OLIGOCENE GRANITIC ROCKS

- CONTACT, DASHED WHERE INFERRED OR CONCEALED.
- FAULT, DASHED WHERE INFERRED OR CONCEALED.
- LINEAR GEOLOGIC FEATURES INTERPRETED FROM AIR PHOTOS - PROBABLE OR POSSIBLE FAULTS, SHEAR ZONES AND JOINTS.
- 39, X 48, □ 171, 145 - METALLIC MINERAL OCCURRENCE IDENTIFIED IN REPORT

SOURCE PUBLICATION MF-440, MAP SERIES MR 32-69
ICE - [ice symbol]; WATER - [water symbol]

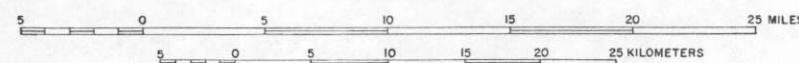
BASE MAP SOURCE: PUBLISHED N.T.M.S. 1:250,000

GEOLOGIC SOURCE INDEX



USGS PUB. A (MF-612) 1:1,000,000
C. (1-273) 1:125,000

SCALE 1:500,000



NURE AERIAL GAMMA RAY AND MAGNETIC RECONNAISSANCE SURVEY

BLIVING SOUND, ALASKA GEOLOGIC BASE MAP 1976-1978

BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006

PREPARED FOR
DEPARTMENT OF ENERGY



LEGEND

**STRATIFIED SEDIMENTARY AND VOLCANIC ROCKS
MAINLY MARINE, IN PART METAMORPHOSED**

QUATERNARY

- Qp PLEISTOCENE DEPOSITS
- Qs QUATERNARY SURFICIAL DEPOSITS-UNDIFFERENTIATED (GENERALLY EQUIVALENT TO Qp) (MAPPED IN NW SEWARD ONLY)

TERTIARY

- IT LOWER TERTIARY ROCKS
- ITv LOWER TERTIARY VOLCANIC ROCKS

JURASSIC-CRETACEOUS

- uMz1 CRETACEOUS AND UPPER JURASSIC (?) ROCKS
- KJv VALDEZ (?) GROUP (GENERALLY EQUIVALENT TO uMz1) (MAPPED IN NW SEWARD ONLY)
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PLUTONIC AND HYPABYSSAL ROCKS - FELSIC COMPOSITION

TERTIARY

- Tg TERTIARY GRANITIC ROCKS
- Tg9 OLIGOCENE GRANITIC ROCKS

--- CONTACT, DASHED WHERE INFERRED OR CONCEALED.

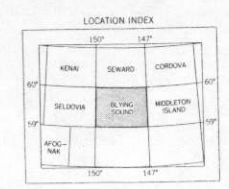
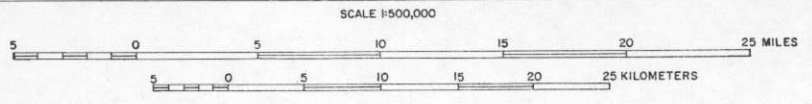
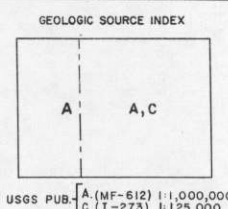
--- FAULT, DASHED WHERE INFERRED OR CONCEALED.

--- LINEAR GEOLOGIC FEATURES INTERPRETED FROM AIR PHOTOS - PROBABLE OR POSSIBLE FAULTS, SHEAR ZONES AND JOINTS.

◇ 39, X 48, □ 171, 145 - METALLIC MINERAL OCCURRENCE IDENTIFIED IN REPORT.

SOURCE PUBLICATION MF-440, MAP SERIES MR 32-69

BASE MAP SOURCE: PUBLISHED N.T.M.S. 1:250,000



NURE AERIAL GAMMA RAY AND MAGNETIC RECONNAISSANCE SURVEY

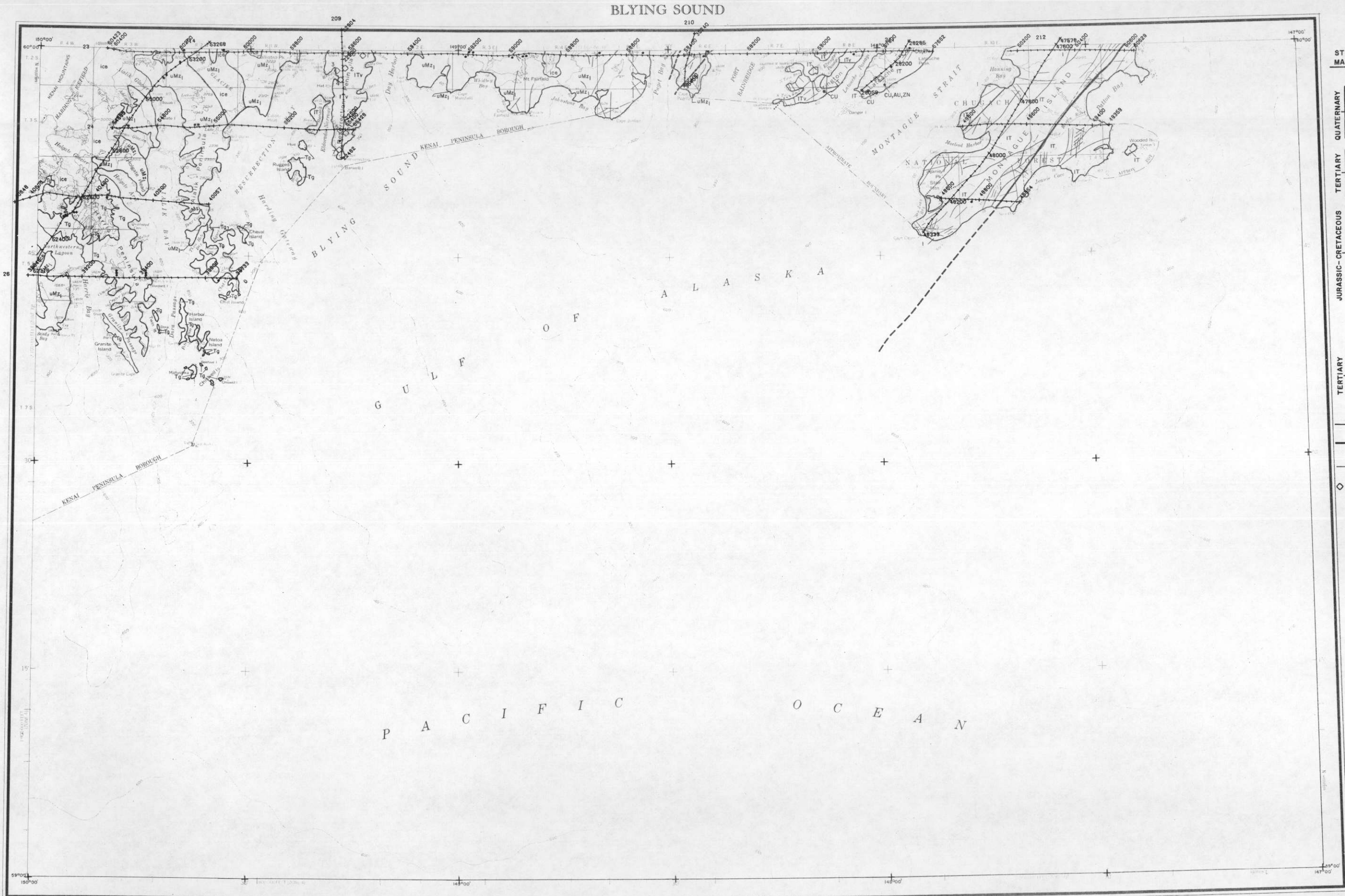
BLYING SOUND, ALASKA

FLIGHT PATH MAP

1976-1978

BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006

PREPARED FOR
DEPARTMENT OF ENERGY



LEGEND

STRATIFIED SEDIMENTARY AND VOLCANIC ROCKS
MAINLY MARINE, IN PART METAMORPHOSED

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- Qp PLEISTOCENE DEPOSITS
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 - uMz2 CRETACEOUS AND (OR) UPPER JURASSIC ROCKS
 - KJm Mc HUGH COMPLEX (GENERALLY EQUIVALENT TO uMz2) (MAPPED IN NW SEWARD ONLY)

- PLUTONIC AND HYPABYSSAL ROCKS - FELSIC COMPOSITION
- TERTIARY
- Tg TERTIARY GRANITIC ROCKS
 - Tog OLIGOCENE GRANITIC ROCKS

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- SOURCE PUBLICATION MF-440, MAP SERIES MR 32-69
- ICE - [ice]; WATER - [water]

BASE MAP SOURCE: PUBLISHED N.T.M.S. 1:250,000

EXPLANATION

INDIVIDUAL SAMPLES ARE PLOTTED AT 20 SAMPLE INTERVALS AND IDENTIFIED BY RECORD NUMBER AT INTERVALS OF 500 SAMPLES

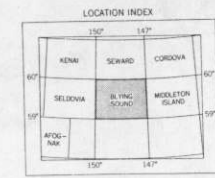
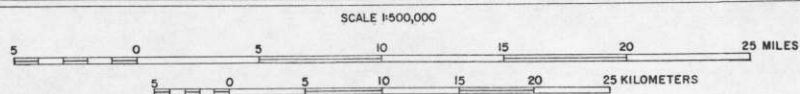
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TRAVERSE LINE DEVIATIONS ARE INDICATED BY SOLID CIRCLES AND TIE LINES BY SQUARES. NORTH OR EAST ARE POSITIVE AND SOUTH OR WEST ARE NEGATIVE.

GEOLOGIC SOURCE INDEX

A A,C

USGS PUB. A (MF-612) 1:1,000,000
C (I-273) 1:125,000



NURE AERIAL GAMMA RAY AND MAGNETIC RECONNAISSANCE SURVEY

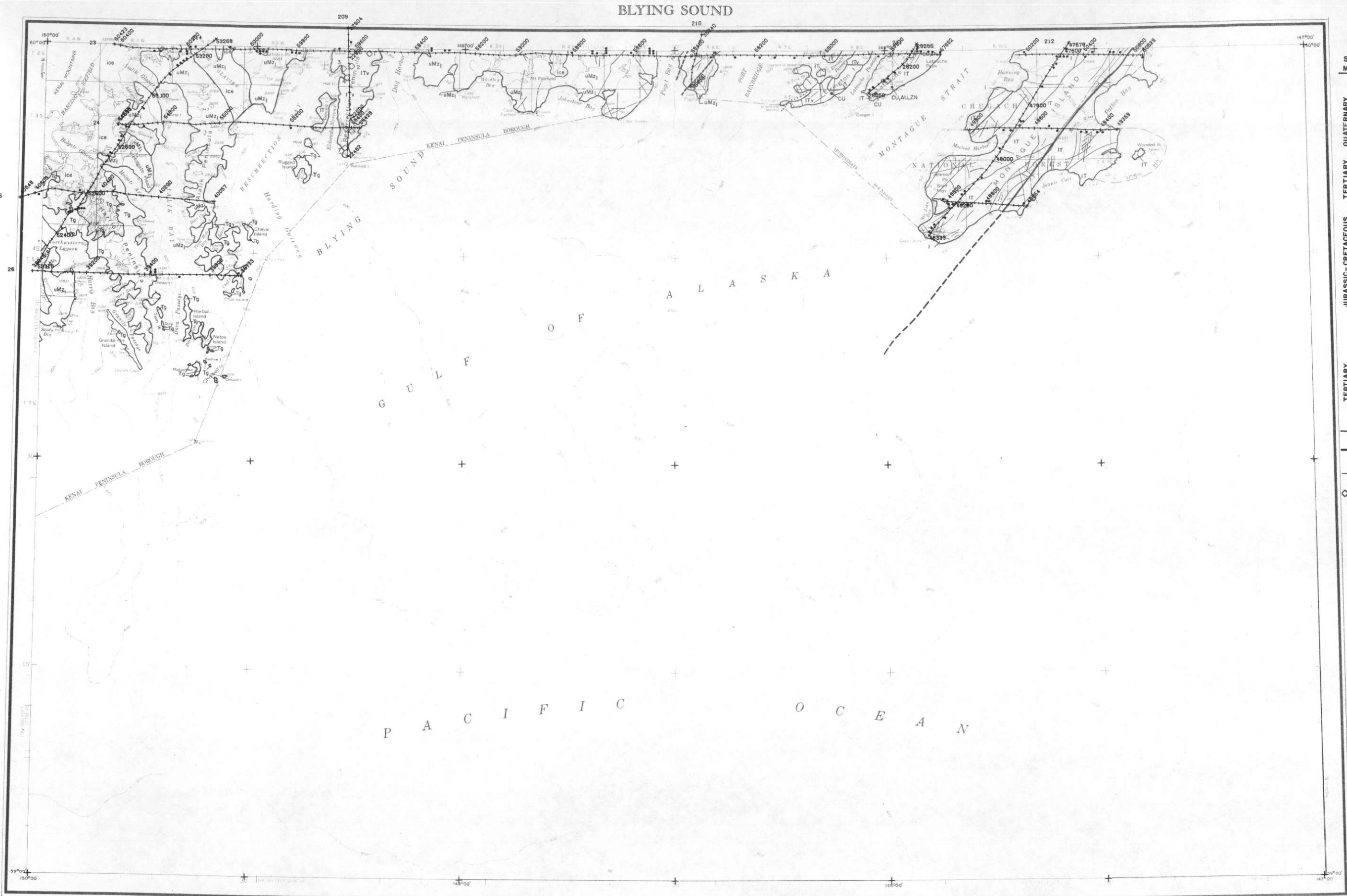
BLIYING SOUND, ALASKA

ANOMALY MAP-URANIUM

1976-1978

BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006

PREPARED FOR
DEPARTMENT OF ENERGY



LEGEND

STRATIFIED SEDIMENTARY AND VOLCANIC ROCKS MAINLY MARINE, IN PART METAMORPHOSED

- QUATERNARY**
- Qp PLEISTOCENE DEPOSITS
 - Qs QUATERNARY SURFICIAL DEPOSITS - UNDIFFERENTIATED (GENERALLY EQUIVALENT TO Qp) (MAPPED IN NW SEWARD ONLY)
- TERTIARY**
- IT LOWER TERTIARY ROCKS
 - ITv LOWER TERTIARY VOLCANIC ROCKS
- JURASSIC-CRETACEOUS**
- uMz1 CRETACEOUS AND UPPER JURASSIC (!) ROCKS
 - KJv VALDEZ(?) GROUP (GENERALLY EQUIVALENT TO uMz1) (MAPPED IN NW SEWARD ONLY)
 - uMz2 CRETACEOUS AND (OR) UPPER JURASSIC ROCKS
 - KJm Mc HUGH COMPLEX (GENERALLY EQUIVALENT TO uMz2) (MAPPED IN NW SEWARD ONLY)

PLUTONIC AND HYPABYSSAL ROCKS - FELSIC COMPOSITION

- TERTIARY**
- Tg TERTIARY GRANITIC ROCKS
 - Tog OLIGOCENE GRANITIC ROCKS

- CONTACT, DASHED WHERE INFERRED OR CONCEALED.
- FAULT, DASHED WHERE INFERRED OR CONCEALED.
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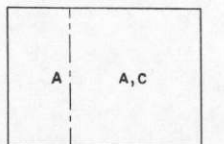
SOURCE PUBLICATION MF-440, MAP SERIES MR 32-69
ICE - [ice]; WATER - [water]

BASE MAP SOURCE: PUBLISHED N.T.M.S. 1:250,000

EXPLANATION

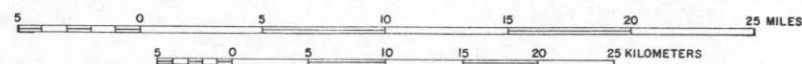
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GEOLOGIC SOURCE INDEX



USGS PUB. A (MF-612) 1:1,000,000
C (I-273) 1:125,000

SCALE 1:500,000



LOCATION INDEX

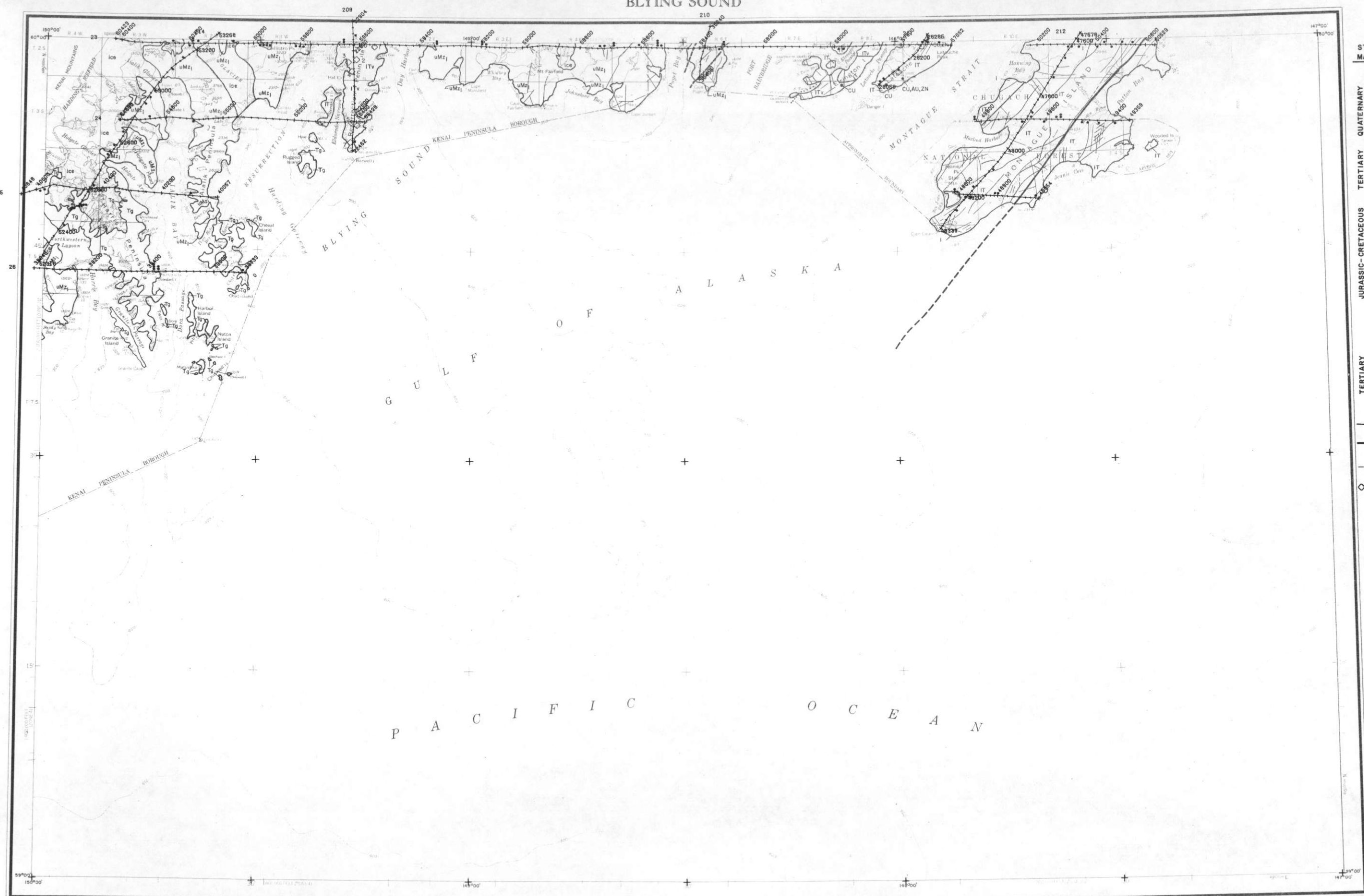


NURE AERIAL GAMMA RAY AND MAGNETIC RECONNAISSANCE SURVEY

BLYING SOUND, ALASKA ANOMALY MAP - THORIUM 1976-1978

BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006

PREPARED FOR
DEPARTMENT OF ENERGY



LEGEND

STRATIFIED SEDIMENTARY AND VOLCANIC ROCKS
MAINLY MARINE, IN PART METAMORPHOSED

QUATERNARY

Qp

PLEISTOCENE DEPOSITS

Qs

QUATERNARY SURFICIAL DEPOSITS-
UNDIFFERENTIATED (GENERALLY EQUIVALENT TO Qp)
(MAPPED IN NW SEWARD ONLY)

TERTIARY

IT

LOWER TERTIARY ROCKS

ITv

LOWER TERTIARY VOLCANIC ROCKS

JURASSIC-CRETACEOUS

uMz1

CRETACEOUS AND UPPER JURASSIC (?) ROCKS

KJv

VAL DEZ (?) GROUP (GENERALLY EQUIVALENT TO uMz1)
(MAPPED IN NW SEWARD ONLY)

uMz2

CRETACEOUS AND (OR) UPPER JURASSIC ROCKS

KJm

Mc HUGH COMPLEX (GENERALLY EQUIVALENT TO uMz2)
(MAPPED IN NW SEWARD ONLY)

PLUTONIC AND HYPABYSSAL ROCKS-
FELSIC COMPOSITION

Tg

TERTIARY GRANITIC ROCKS

Tog

OLIGOCENE GRANITIC ROCKS

CONTACT, DASHED WHERE INFERRED
OR CONCEALED.

FAULT, DASHED WHERE INFERRED
OR CONCEALED.

LINEAR GEOLOGIC FEATURES INTERPRETED
FROM AIR PHOTOS - PROBABLE OR
POSSIBLE FAULTS, SHEAR ZONES AND JOINTS.

◇ 39, X 46, □ 171, 145

METALLIC MINERAL OCCURRENCE
IDENTIFIED IN REPORT.

SOURCE PUBLICATION MF-440, MAP SERIES MR 32-69

ICE - [ice]; WATER - [water]

BASE MAP SOURCE: PUBLISHED N.T.S. 1:250,000

EXPLANATION

INDIVIDUAL SAMPLES ARE PLOTTED AT 20 SAMPLE INTERVALS AND IDENTIFIED BY RECORD NUMBER AT INTERVALS OF 500 SAMPLES.

AVERAGED SAMPLES ARE ANNOTATED IF THE DEVIATION OF THE AVERAGED SAMPLE, FROM THE MEAN OF ITS CORRESPONDING ROCK UNIT, IS GREATER THAN ± 1 STANDARD DEVIATION. THE DEVIATION INTERVALS ANNOTATED ARE 1 TO 2, 2 TO 3, AND 3 OR GREATER.

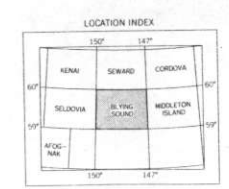
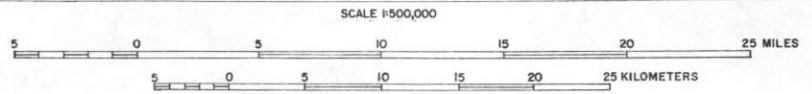
TRAVERSE LINE DEVIATIONS ARE INDICATED BY SOLID CIRCLES AND TIE LINES BY SQUARES. NORTH OR EAST ARE POSITIVE AND SOUTH OR WEST ARE NEGATIVE.

GEOLOGIC SOURCE INDEX

A

A, C

USGS PUB. [A (MF-612) 1:1,000,000
C (1-273) 1:125,000]



NURE AERIAL GAMMA RAY AND MAGNETIC
RECONNAISSANCE SURVEY

BLYING SOUND, ALASKA

ANOMALY MAP-POTASSIUM

1976-1978

BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006

PREPARED FOR
DEPARTMENT OF ENERGY

BLIVING SOUND

LEGEND

STRATIFIED SEDIMENTARY AND VOLCANIC ROCKS MAINLY MARINE, IN PART METAMORPHOSED

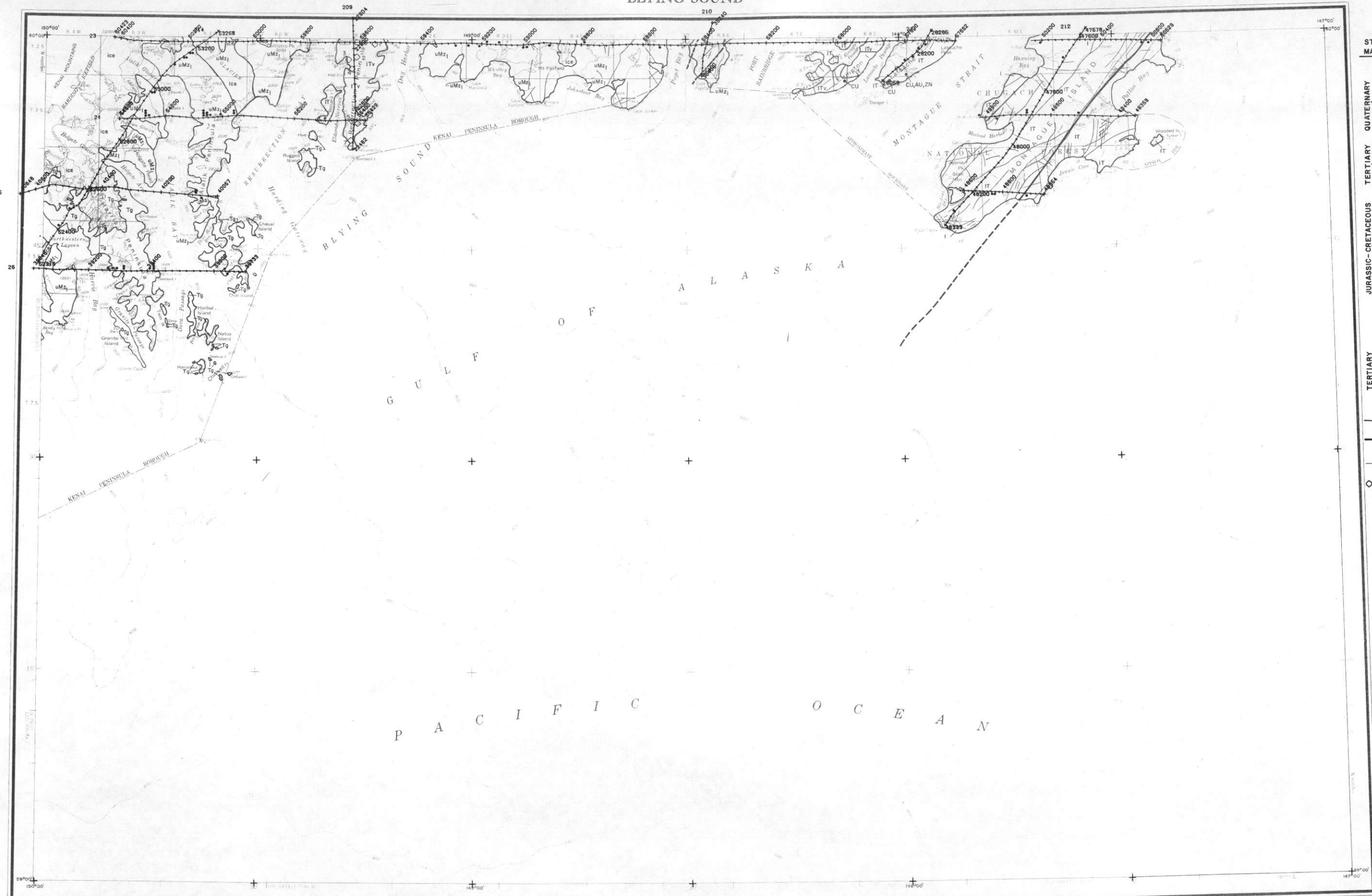
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 - uMz2 CRETACEOUS AND (OR) UPPER JURASSIC ROCKS
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PLUTONIC AND HYPABYSSAL ROCKS - FELSIC COMPOSITION

- TERTIARY**
- Tg TERTIARY GRANITIC ROCKS
 - Tog OLIGOCENE GRANITIC ROCKS

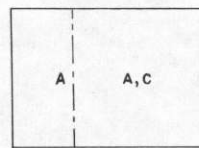
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SOURCE PUBLICATION MF-440, MAP SERIES MR 32-69
ICE - ; WATER -



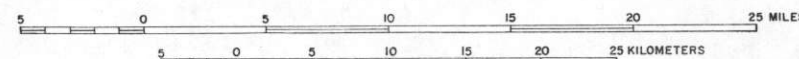
BASE MAP SOURCE: PUBLISHED N.T.M.S. 1:250,000

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SCALE 1:500,000



LOCATION INDEX



NURE AERIAL GAMMA RAY AND MAGNETIC RECONNAISSANCE SURVEY

BLIVING SOUND, ALASKA ANOMALY MAP-URANIUM/THORIUM 1976-1978

BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006

PREPARED FOR
DEPARTMENT OF ENERGY

EXPLANATION
INDIVIDUAL SAMPLES ARE PLOTTED AT 20 SAMPLE INTERVALS AND IDENTIFIED BY RECORD NUMBER AT INTERVALS OF 500 SAMPLES.
AVERAGED SAMPLES ARE ANNOTATED IF THE DEVIATION OF THE AVERAGED SAMPLE, FROM THE MEAN OF ITS CORRESPONDING ROCK UNIT, IS GREATER THAN ± 1 STANDARD DEVIATION. THE DEVIATION INTERVALS ANNOTATED ARE 1 TO 2, 2 TO 3, AND 3 OR GREATER.
TRAVERSE LINE DEVIATIONS ARE INDICATED BY SOLID CIRCLES AND TIE LINES BY SQUARES. NORTH OR EAST ARE POSITIVE AND SOUTH OR WEST ARE NEGATIVE.

BERING SOUND

Map showing the Bering Sea, Bering Strait, and surrounding landmasses (Alaska, Russia, Aleutian Islands). The map includes various geological units (e.g., uMz1, IT, CU, AU, ZN, Tg) and bathymetric contours. The map is titled "BERING SOUND" at the top center.

STRATIFIED SEDIMENTARY AND VOLCANIC ROCKS
MAINLY MARINE, IN PART METAMORPHOSED

TERTIARY	IT	LOWER TERTIARY ROCKS
	ITv	LOWER TERTIARY VOLCANIC ROCKS

JURASSIC - CRETACEOUS	uMz ₁	CRETACEOUS AND UPPER JURASSIC (?) ROCKS
	KJv	VALDEZ (?) GROUP (GENERALLY EQUIVALENT TO uMz) (MAPPED IN NW SEWARD ONLY)
	uMz ₂	CRETACEOUS AND (OR) UPPER JURASSIC ROCKS
	KJm	Mc HUGH COMPLEX (GENERALLY EQUIVALENT TO uMz ₂) (MAPPED IN NW SEWARD ONLY)

PLUTONIC AND HYPABYSSAL ROCKS - FELSIC COMPOSITION

TERTIARY	Tg	TERTIARY GRANITIC ROCKS
	Tog	OLIGOCENE GRANITIC ROCKS

----- CONTACT, DASHED WHERE INFERRED
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SOURCE PUBLICATION MF-440 , MAP. SERIES MR 32-69
ICE-☒; WATER-☐

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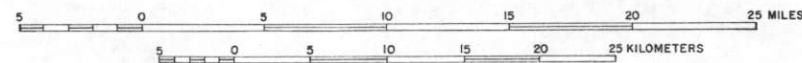
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A	A, C
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USGS PUB. [A. (MF-612) 1:1,000,000
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SCALE 1:500,000



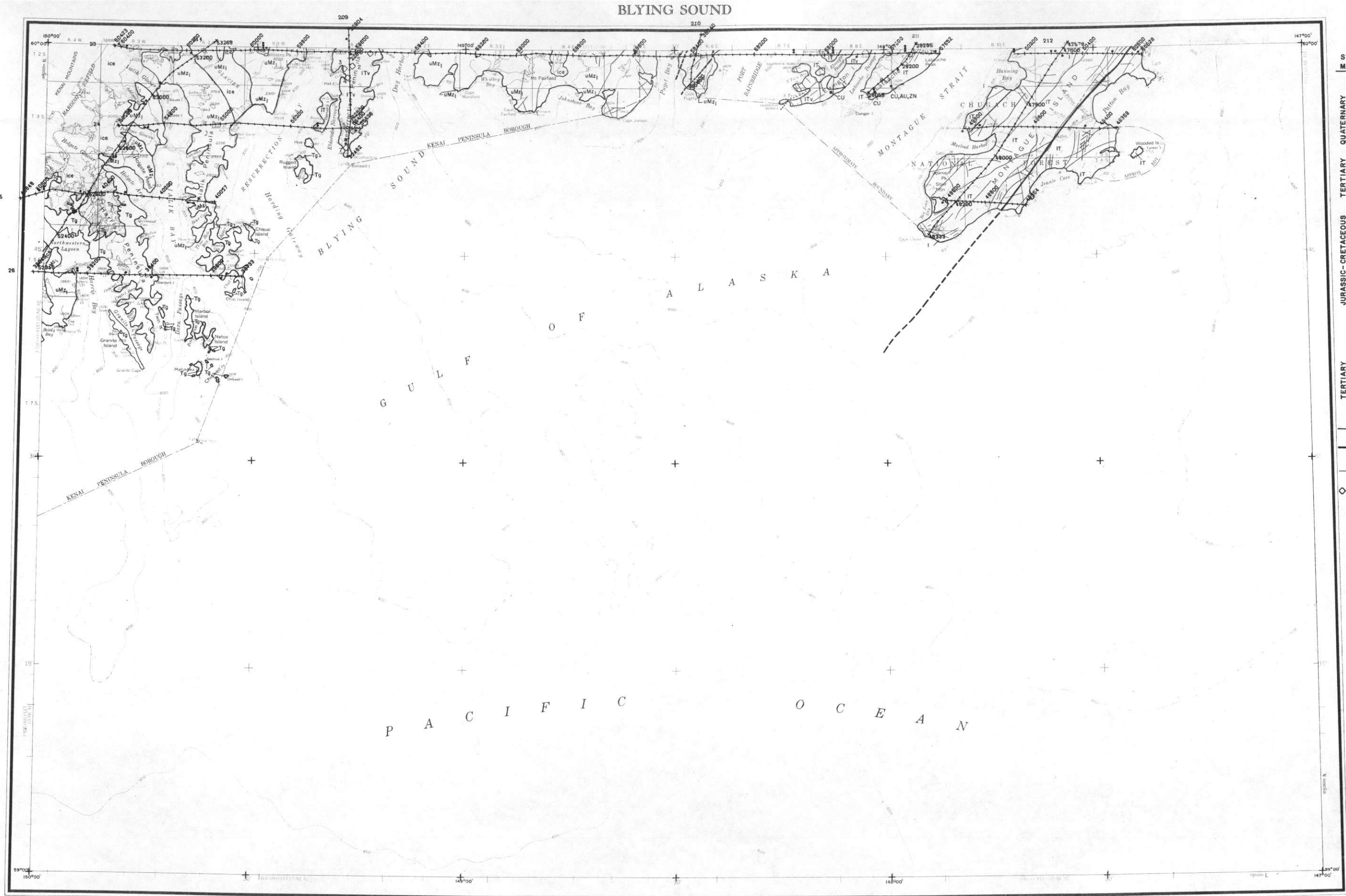
LOCATION INDEX



BLYING SOUND, ALASKA
ANOMALY MAP-URANIUM/POTASSIUM
1976-1978

BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006

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DEPARTMENT OF ENERGY



LEGEND

STRATIFIED SEDIMENTARY AND VOLCANIC ROCKS
MAINLY MARINE, IN PART METAMORPHOSED

QUATERNARY

- Qp PLEISTOCENE DEPOSITS
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- ITv LOWER TERTIARY VOLCANIC ROCKS

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PLUTONIC AND HYPABYSSAL ROCKS - FELSIC COMPOSITION

TERTIARY

- Tg TERTIARY GRANITIC ROCKS
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ICE - 160; WATER - 161

BASE MAP SOURCE: PUBLISHED N.T.M.S. 1:250,000

EXPLANATION

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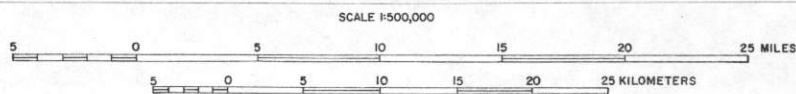
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USGS PUB. A (MF-612) 1:1,000,000
C (I-273) 1:125,000



NURE AERIAL GAMMA RAY AND MAGNETIC RECONNAISSANCE SURVEY

BLYING SOUND, ALASKA

ANOMALY MAP - THORIUM / POTASSIUM

1976-1978

BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006

PREPARED FOR
DEPARTMENT OF ENERGY

TL/K
0.20/DIV

BI/TL
0.20/DIV

BI/K
0.20/DIV

K
20 C/S/DIV

TL
5 C/S/DIV

BI
5 C/S/DIV

BI COR
5.00/DIV

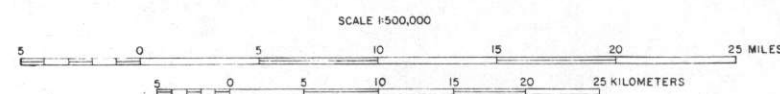
TC
300 C/S/DIV

ALT
150 FT/DIV

MAG
150 GAMMAS/DIV

P 23

↑ FLAGGED SAMPLE VALUES OF
K,U,T INDICATES DATA FAILED
STATISTICAL ADEQUACY TEST



NURE AERIAL GAMMA RAY AND MAGNETIC
RECONNAISSANCE SURVEY

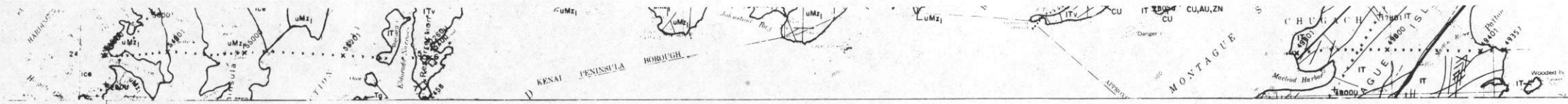
BLYLING SOUND, ALASKA

RADIOMETRIC MULTIPLE-PARAMETER STACKED PROFILES

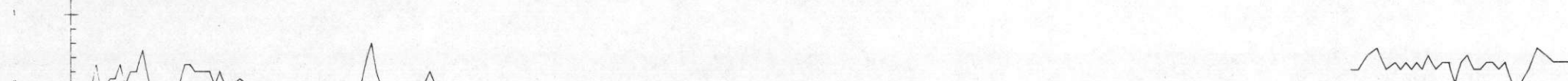
1976-1978

BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006

PREPARED FOR
DEPARTMENT OF ENERGY



TL/K
0.20/DIV



BI/TL
0.20/DIV



BI/K
0.20/DIV



K
20 C/S/DIV



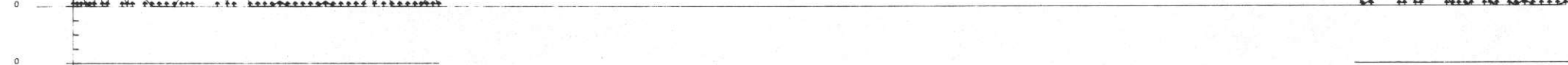
TL
5 C/S/DIV



BI
5 C/S/DIV



BI COR
5.00/DIV



TC
300 C/S/DIV



ALT
150 FT/DIV

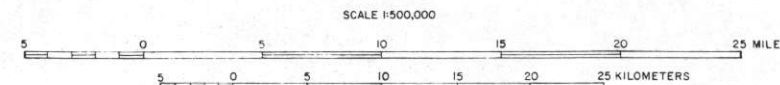


MAG
150 GAMMAS/DIV



24

↑ FLAGGED SAMPLE VALUES OF
K,UT INDICATES DATA FAILED
STATISTICAL ADEQUACY TEST



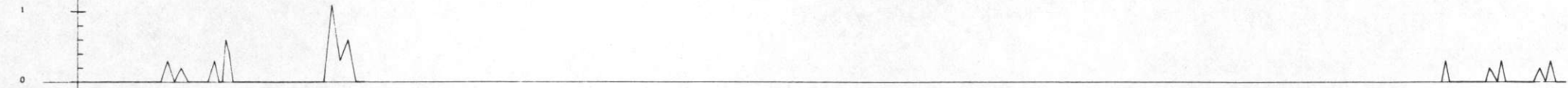
NURE AERIAL GAMMA RAY AND MAGNETIC
RECONNAISSANCE SURVEY
BLYNG SOUND, ALASKA
RADIOMETRIC MULTIPLE-PARAMETER STACKED PROFILES
1976-1978
BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006
PREPARED FOR
DEPARTMENT OF ENERGY



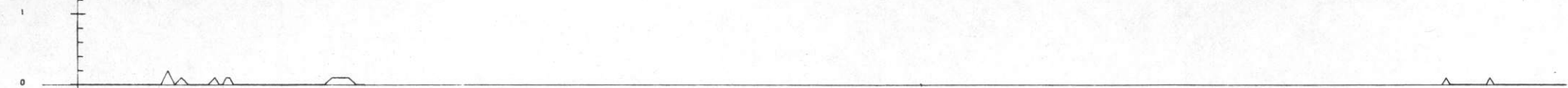
TL/K
0.20/DIV



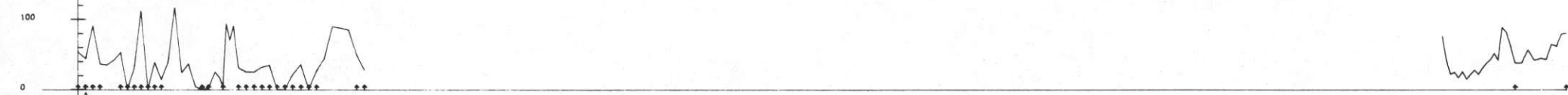
BI/TL
0.20/DIV



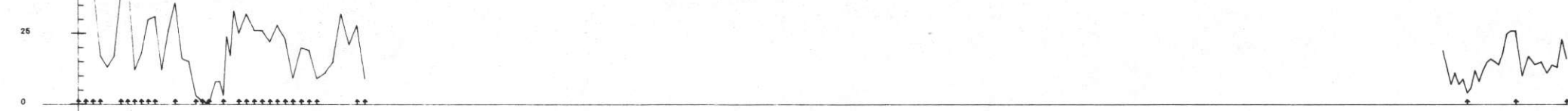
BI/K
0.20/DIV



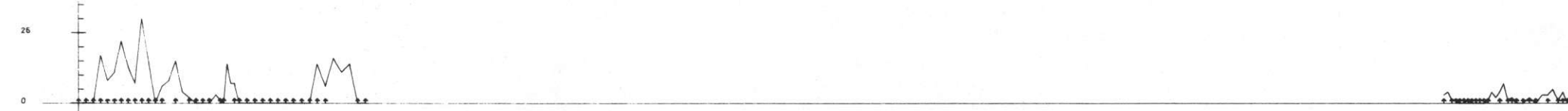
K
20 C/S/DIV



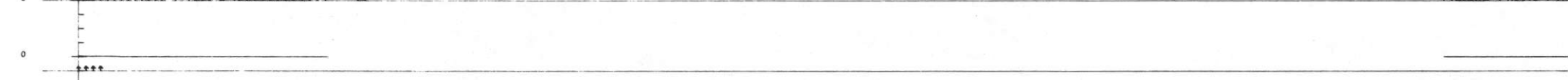
TL
6 C/S/DIV



BI
6 C/S/DIV



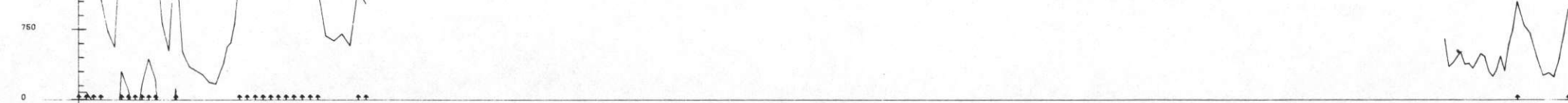
BI COR
6.00/DIV



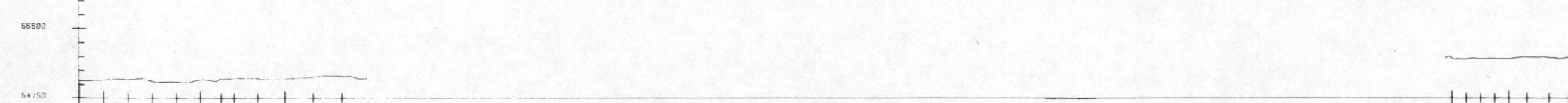
TC
300 C/S/DIV



ALT
150 FT/DIV

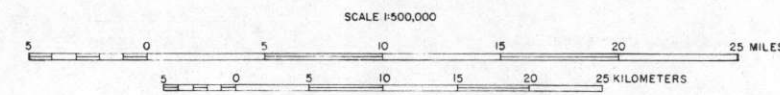


MAG
150 GAMMAS/DIV

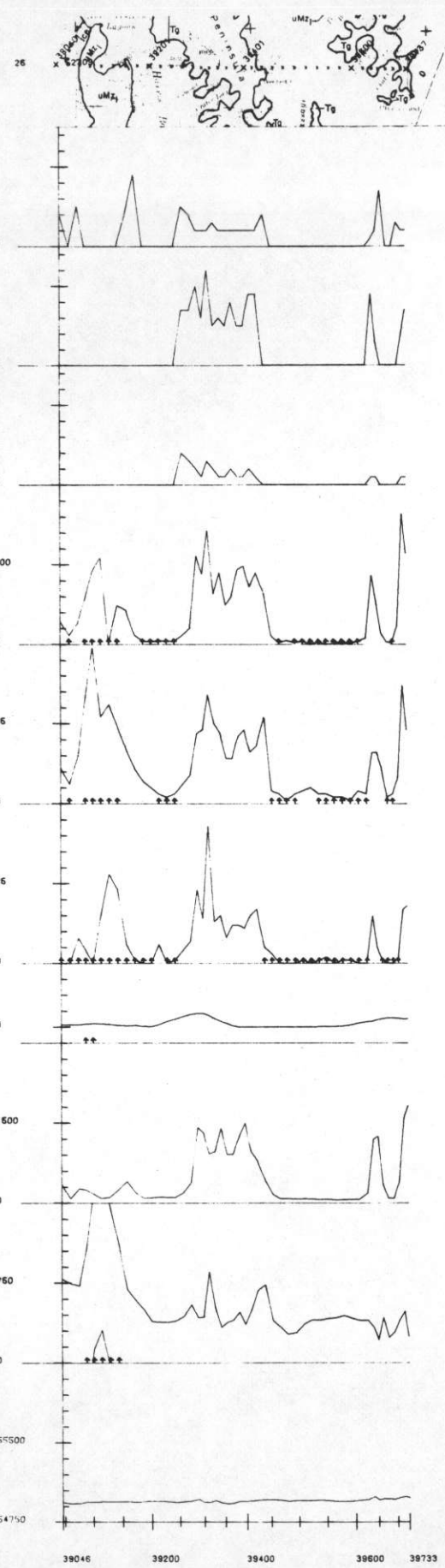


P 25

↑ FLAGGED SAMPLE VALUES OF
K, U, T INDICATES DATA FAILED
STATISTICAL ADEQUACY TEST

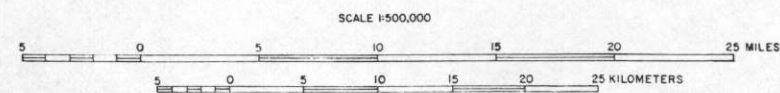


NURE AERIAL GAMMA RAY AND MAGNETIC
RECONNAISSANCE SURVEY
BLYING SOUND, ALASKA
RADIOMETRIC MULTIPLE-PARAMETER STACKED PROFILES
1976-1978
BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006
PREPARED FOR
DEPARTMENT OF ENERGY



P 26

↑ FLAGGED SAMPLE VALUES OF
K, U, T INDICATES DATA FAILED
STATISTICAL ADEQUACY TEST



NURE AERIAL GAMMA RAY AND MAGNETIC RECONNAISSANCE SURVEY
BLYING SOUND, ALASKA
RADIOMETRIC MULTIPLE-PARAMETER STACKED PROFILES
1976-1978
BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006
PREPARED FOR DEPARTMENT OF ENERGY

TL/K
0.20/DIV

BI/TL
0.20/DIV

BI/K
0.20/DIV

K
20 C/S/DIV

TL
5 C/S/DIV

BI
5 C/S/DIV

BI COR
5.00/DIV

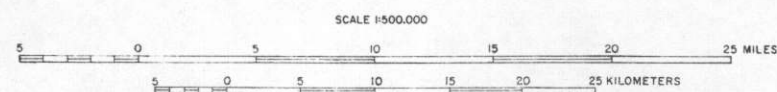
TC
300 C/S/DIV

ALT
150 FT/DIV

MAG
150 GAMMAS/DIV

TL 209

↑ FLAGGED SAMPLE VALUES OF
K,U,T INDICATES DATA FAILED
STATISTICAL ADEQUACY TEST



NURE AERIAL GAMMA RAY AND MAGNETIC
RECONNAISSANCE SURVEY

BLIVING SOUND, ALASKA

RADIOMETRIC MULTIPLE-PARAMETER STACKED PROFILES

1976-1978

BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006

PREPARED FOR
DEPARTMENT OF ENERGY

TL/K
0.20/DIV

BI/TL
0.20/DIV

BI/K
0.20/DIV

K
20 C/S/DIV

TL
6 C/S/DIV

BI
6 C/S/DIV

BI COR
5.30/DIV

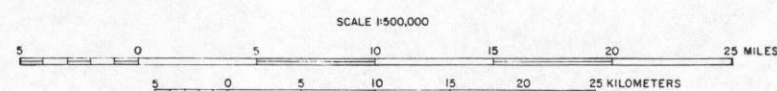
TC
300 C/S/DIV

ALT
150 FT/DIV

MAG
150 GAMMAS/DIV

TL 210

↑ FLAGGED SAMPLE VALUES OF
K,U,T INDICATES DATA FAILED
STATISTICAL ADEQUACY TEST



NURE AERIAL GAMMA RAY AND MAGNETIC
RECONNAISSANCE SURVEY

BLYING SOUND, ALASKA

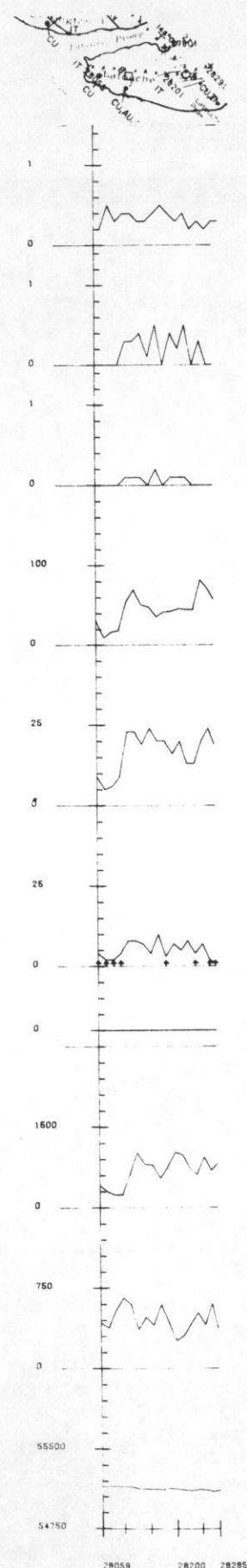
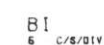
RADIOMETRIC MULTIPLE-PARAMETER STACKED PROFILES

1976-1978

BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006

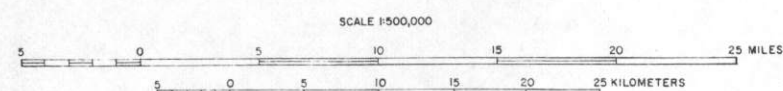
PREPARED FOR

DEPARTMENT OF ENERGY



TL 211

↑ FLAGGED SAMPLE VALUES OF
K,U,T INDICATES DATA FAILED
STATISTICAL ADEQUACY TEST



NURE AERIAL GAMMA RAY AND MAGNETIC
RECONNAISSANCE SURVEY

BLYING SOUND, ALASKA

RADIOMETRIC MULTIPLE-PARAMETER STACKED PROFILES

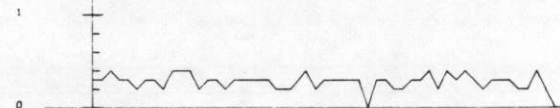
1976-1978

BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006

PREPARED FOR
DEPARTMENT OF ENERGY



TL/K
0.20/DIV



BI/TL
0.20/DIV



BI/K
0.20/DIV



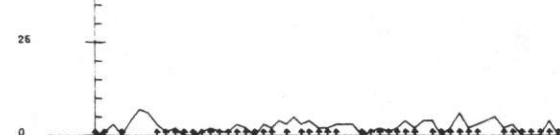
K
20 C/S/DIV



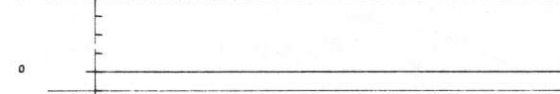
TL
6 C/S/DIV



BI
6 C/S/DIV



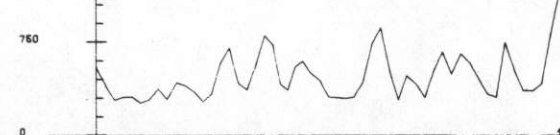
BI COR
6.00/DIV



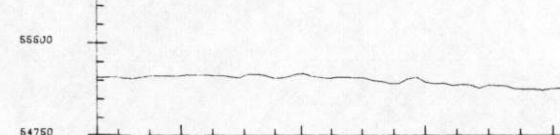
TC
300 C/S/DIV



ALT
160 FT/DIV



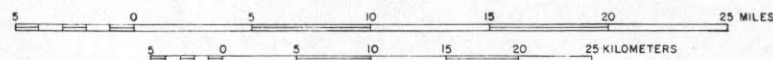
MAG
150 GAMMAS/DIV



TL 212

↑ FLAGGED SAMPLE VALUES OF
K, TL INDICATES DATA FAILED
STATISTICAL ADEQUACY TEST

SCALE 1:500,000



NURE AERIAL GAMMA RAY AND MAGNETIC
RECONNAISSANCE SURVEY

BLYLING SOUND, ALASKA

RADIOMETRIC MULTIPLE-PARAMETER STACKED PROFILES

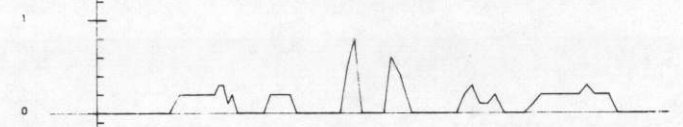
1976-1978

BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006

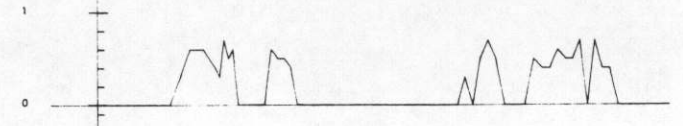
PREPARED FOR
DEPARTMENT OF ENERGY



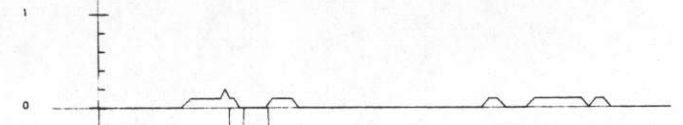
TL/K
0.20/DIV



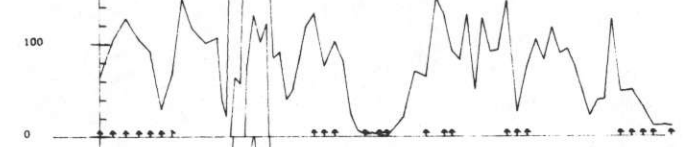
BI/TL
0.20/DIV



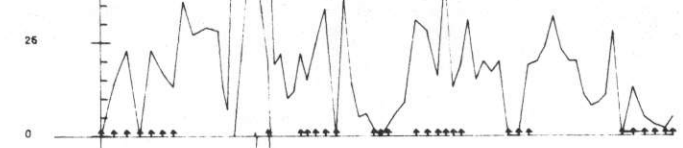
BI/K
0.20/DIV



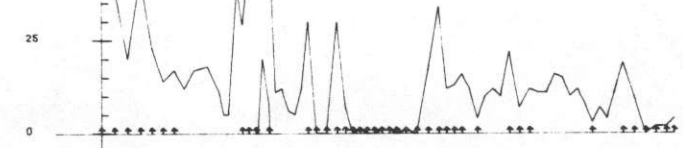
K
20 C/S/DIV



TL
6 C/S/DIV



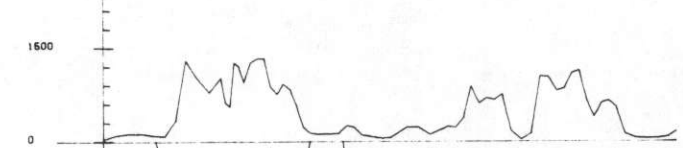
BI
5 C/S/DIV



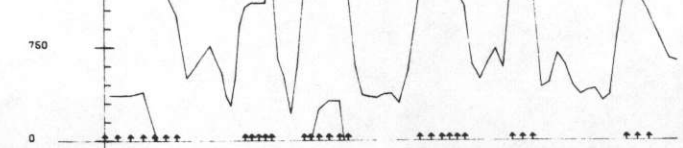
BI COR
5.00/DIV



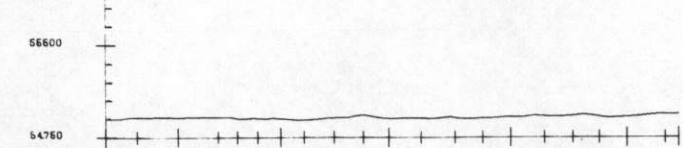
TC
300 C/S/DIV



ALT
150 FT/DIV

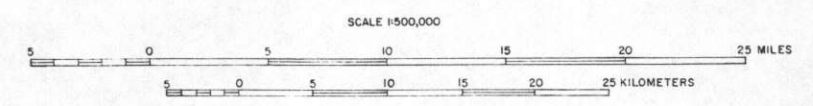


MAG
150 GAMMAS/DIV



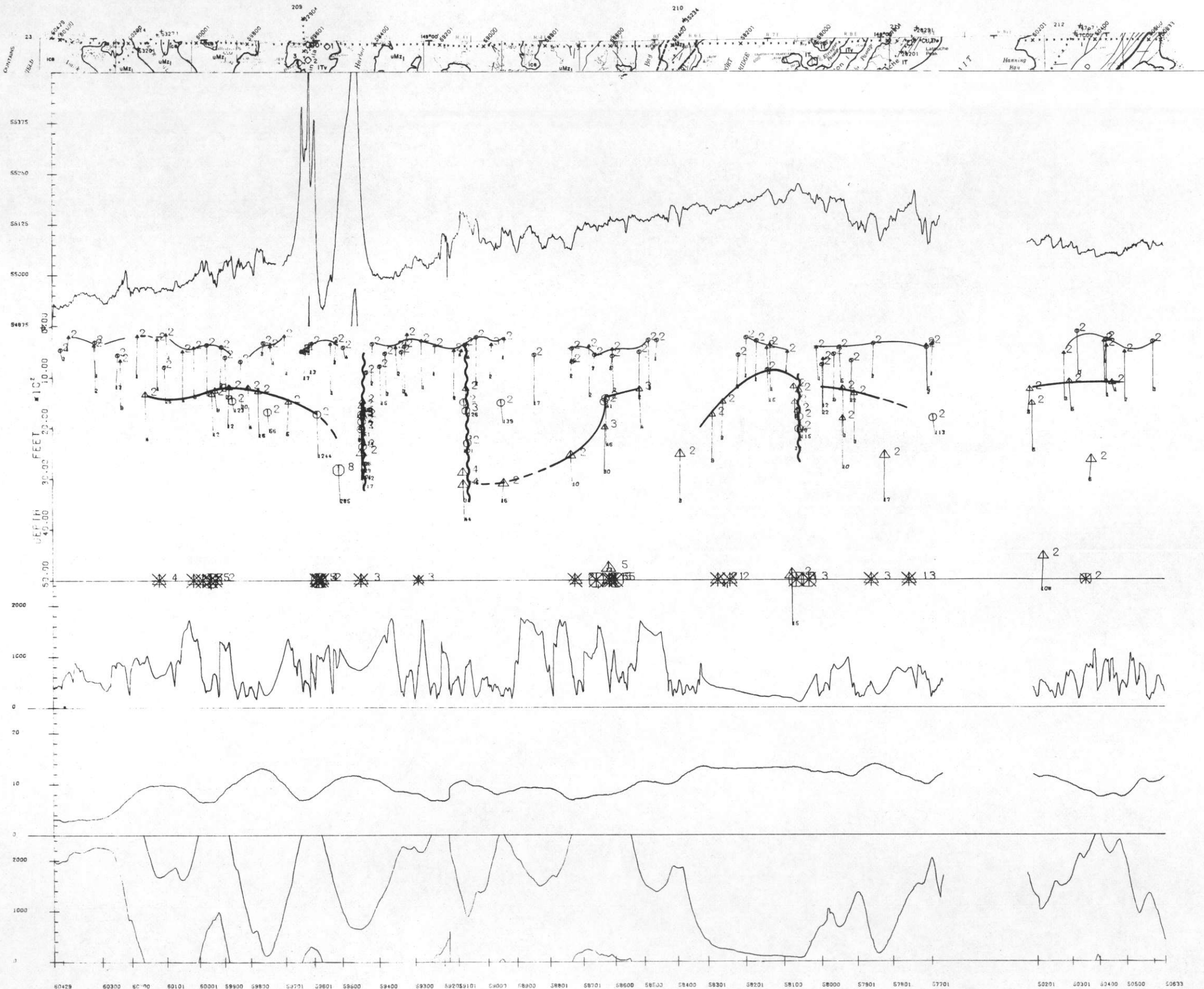
TL 214

↑ FLAGGED SAMPLE VALUES OF
K,U,T INDICATES DATA FAILED
STATISTICAL ADEQUACY TEST



NURE AERIAL GAMMA RAY AND MAGNETIC RECONNAISSANCE SURVEY	
BLYING SOUND, ALASKA	
RADIOMETRIC MULTIPLE-PARAMETER STACKED PROFILES	
1976-1978	
BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006	
PREPARED FOR DEPARTMENT OF ENERGY	

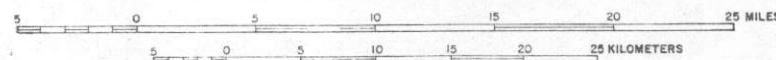
MAG
25 GAMMAS/DIV



P 23

↑ EXCEEDS ALTITUDE SPECIFICATIONS

SCALE 1:500,000



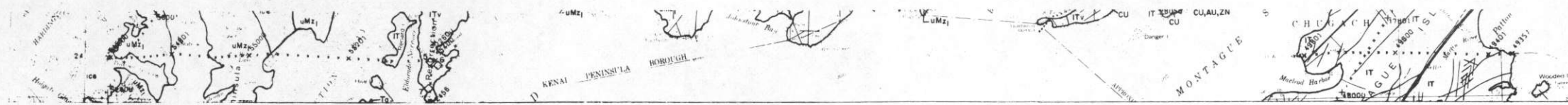
NURE AERIAL GAMMA RAY AND MAGNETIC
RECONNAISSANCE SURVEY

BLYLING SOUND, ALASKA
MAGNETIC AND ANCILLARY STACKED PROFILE DATA

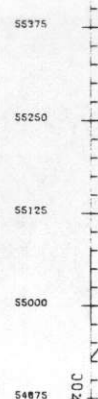
1976-1978

BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006

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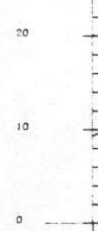
MAG
25 GAMMAS/DIV



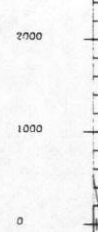
ALT
200 FT/DIV



TEMP
2.00 DEGREES/DIV

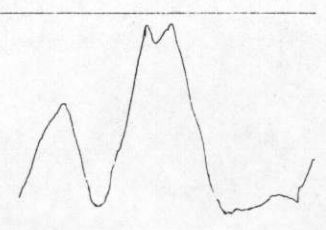
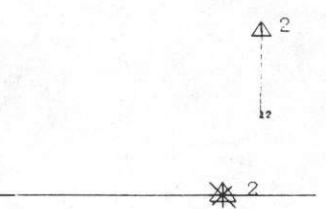
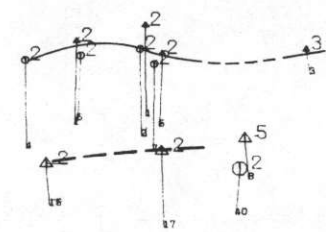
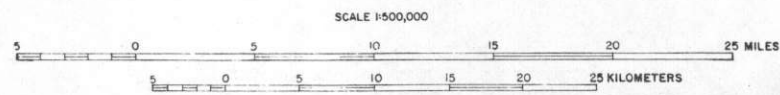


BAR ALT
200 FT/DIV



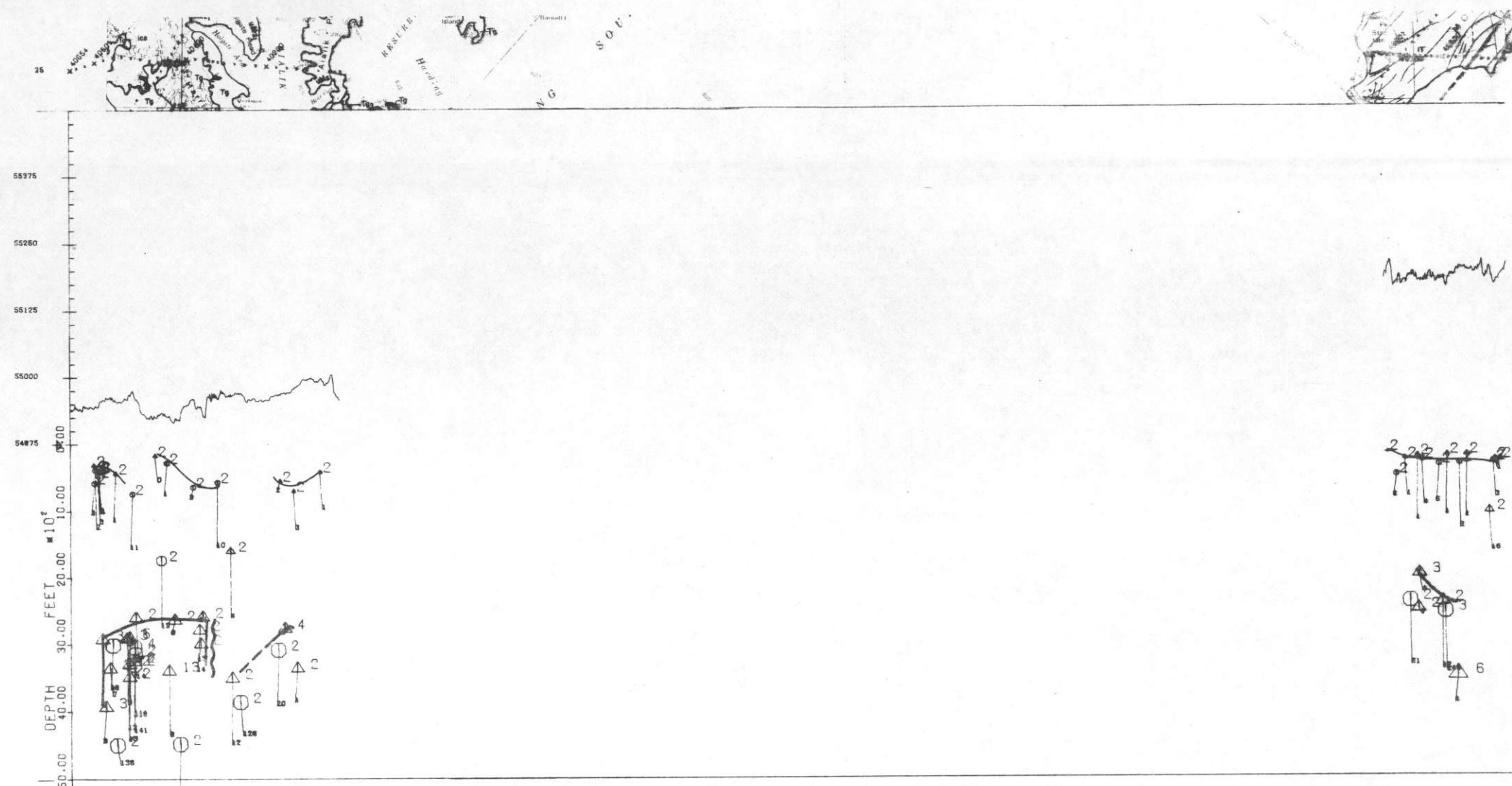
P 24

↑ EXCEEDS ALTITUDE SPECIFICATIONS

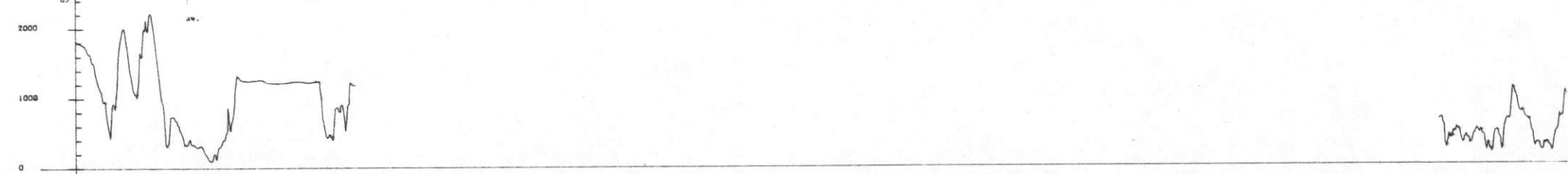


NURE AERIAL GAMMA RAY AND MAGNETIC
RECONNAISSANCE SURVEY
BLYING SOUND, ALASKA
MAGNETIC AND ANCILLARY STACKED PROFILE DATA
1976 - 1978
BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006
PREPARED FOR
DEPARTMENT OF ENERGY

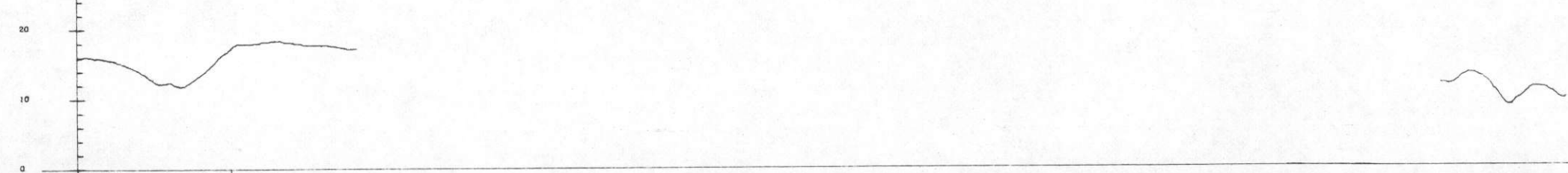
MAG
25 GAMMAS/DIV



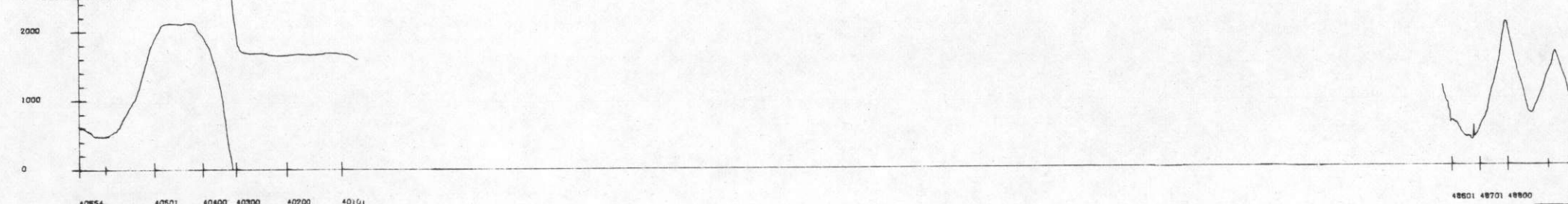
ALT
200 FT/DIV



TEMP
2.00 DEGREES/DIV

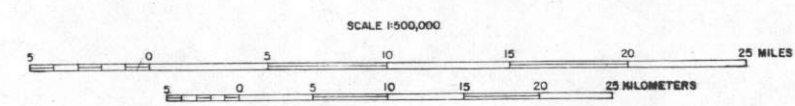


BAR ALT
200 FT/DIV



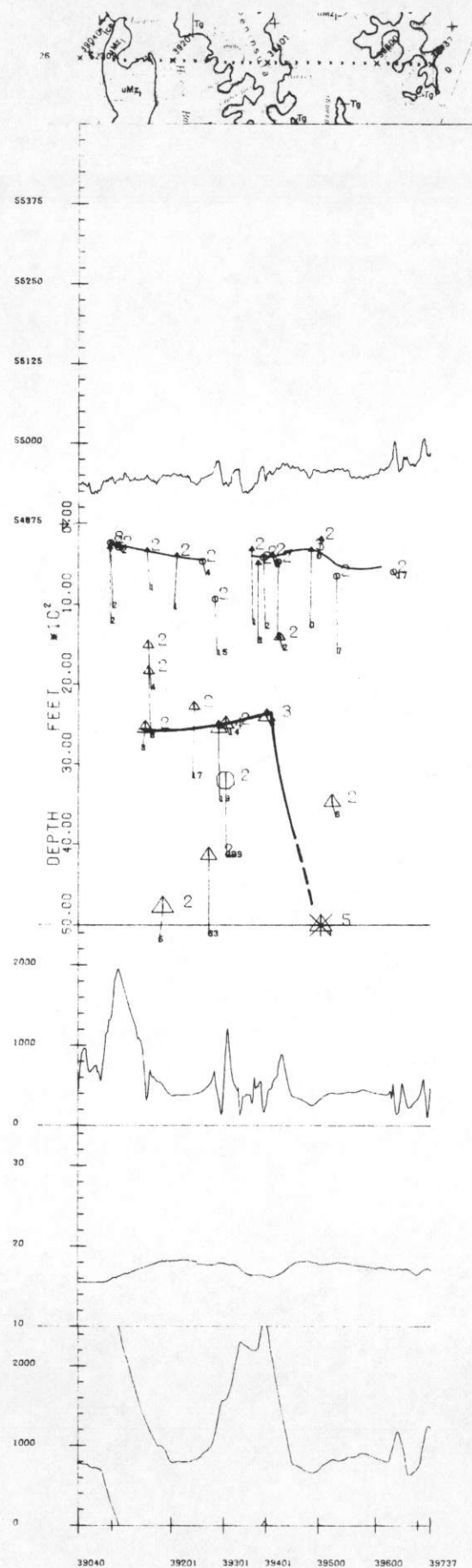
P 25

✦ EXCEEDS ALTITUDE SPECIFICATIONS



<p>NURE AERIAL GAMMA RAY AND MAGNETIC RECONNAISSANCE SURVEY</p> <p>BLYING SOUND, ALASKA</p> <p>MAGNETIC AND ANCILLARY STACKED PROFILE DATA</p> <p>1976-1978</p> <p>BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006</p> <p>PREPARED FOR DEPARTMENT OF ENERGY</p>
--

MAG
25 GAMMAS/DIV



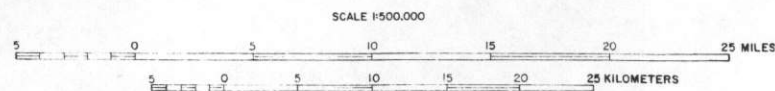
ALT
200 FT/DIV

TEMP
2.00 DEGREES/DIV

BAR ALT
200 FT/DIV

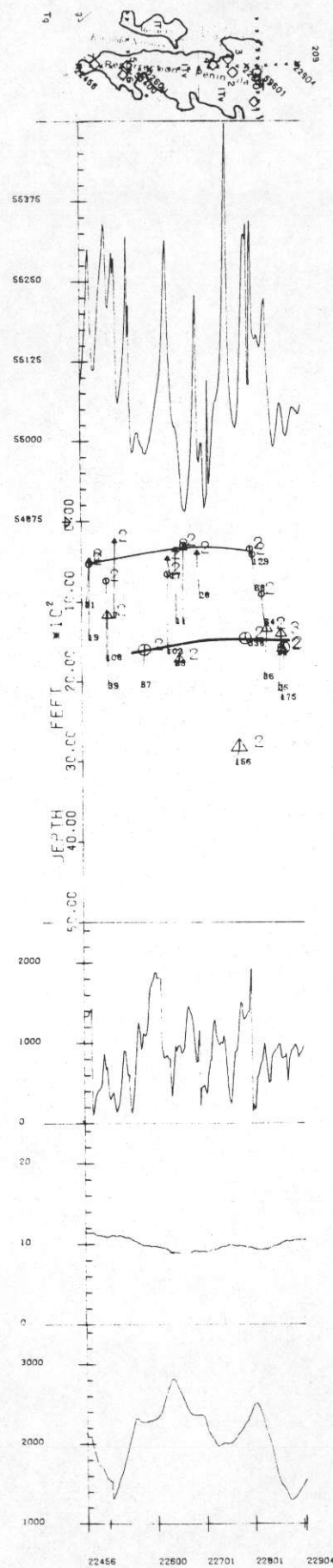
26

↑ EXCEEDS ALTITUDE SPECIFICATIONS



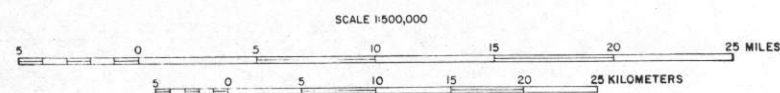
NURE AERIAL GAMMA RAY AND MAGNETIC RECONNAISSANCE SURVEY
BLYING SOUND, ALASKA
MAGNETIC AND ANCILLARY STACKED PROFILE DATA
1976-1978
BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA 19006
PREPARED FOR DEPARTMENT OF ENERGY

MAG
25 GAMMAS/DIV



TL 209

↑ EXCEEDS ALTITUDE SPECIFICATIONS



NURE AERIAL GAMMA RAY AND MAGNETIC
RECONNAISSANCE SURVEY

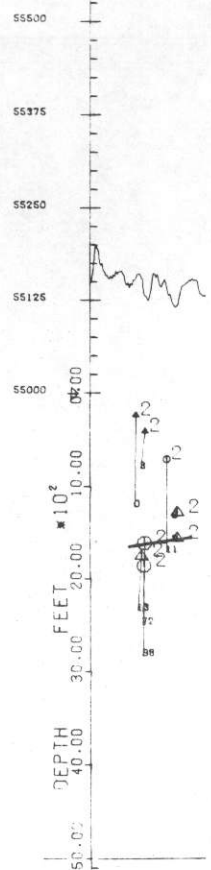
BLYLING SOUND, ALASKA
MAGNETIC AND ANCILLARY STACKED PROFILE DATA
1976-1978

BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006

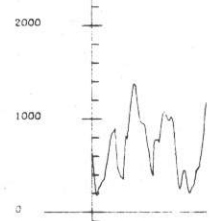
PREPARED FOR
DEPARTMENT OF ENERGY



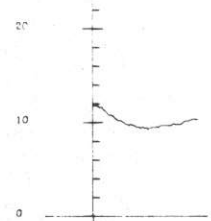
MAG
25 GAMMAS/DIV



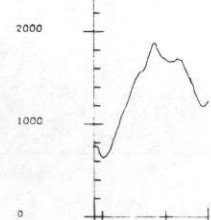
ALT
200 FT/DIV



TEMP
2.00 DEGREES/DIV



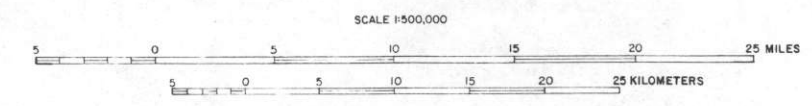
BAR ALT
200 FT/DIV



35415 35234

TL 210

↑ EXCEEDS ALTITUDE SPECIFICATIONS



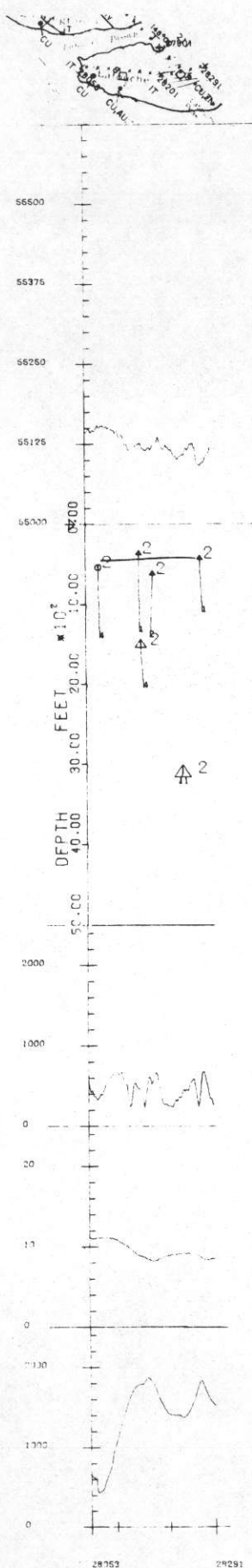
NURE AERIAL GAMMA RAY AND MAGNETIC RECONNAISSANCE SURVEY
BLYING SOUND, ALASKA MAGNETIC AND ANCILLARY STACKED PROFILE DATA 1976-1978 BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006 PREPARED FOR DEPARTMENT OF ENERGY

MAG
25 GAMMAS/DIV

ALT
200 FT/DIV

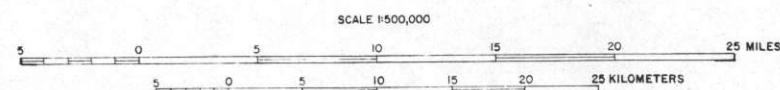
TEMP
2.00 DEGREES/DIV

BAR ALT
200 FT/DIV



TL 211

↑ EXCEEDS ALTITUDE SPECIFICATIONS



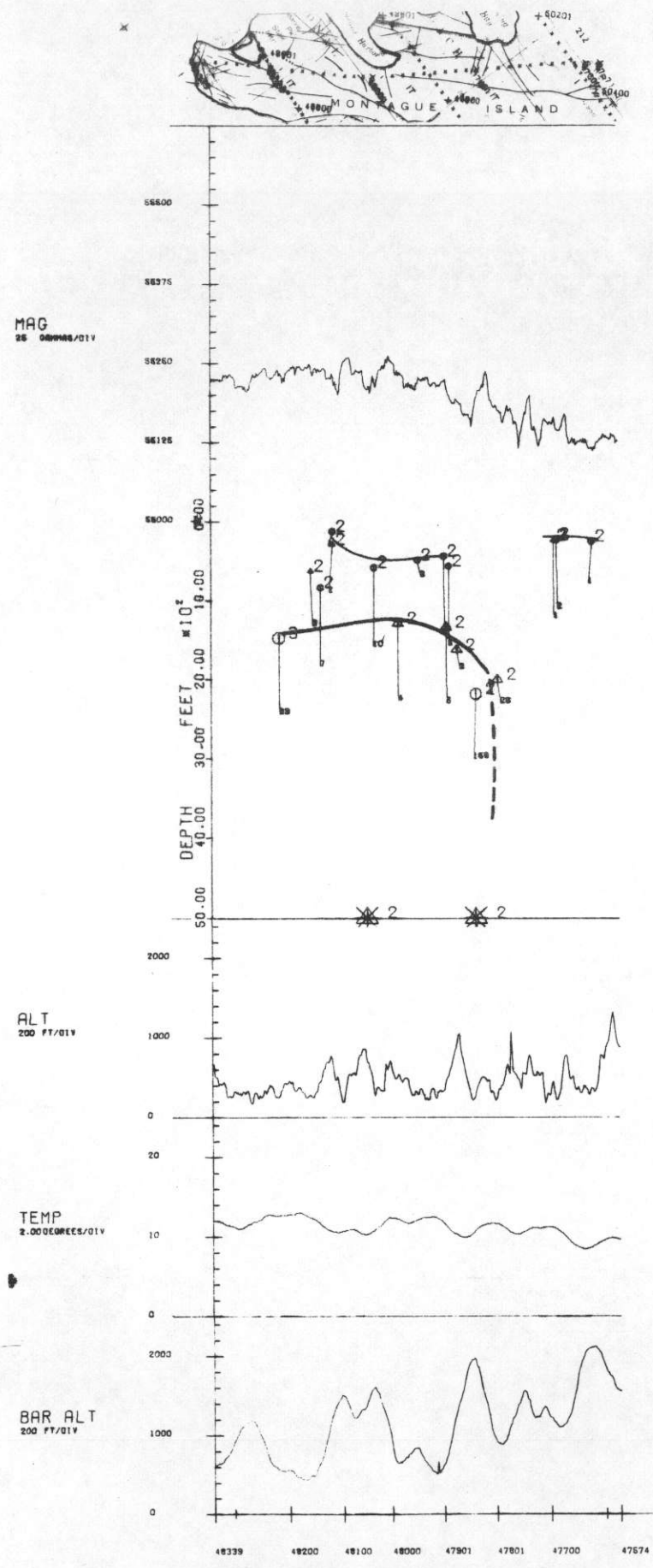
NURE AERIAL GAMMA RAY AND MAGNETIC
RECONNAISSANCE SURVEY

BLIVING SOUND, ALASKA
MAGNETIC AND ANCILLARY STACKED PROFILE DATA

1976-1978

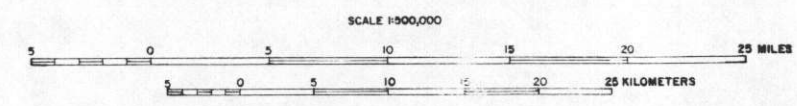
BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006

PREPARED FOR
DEPARTMENT OF ENERGY



TL 212

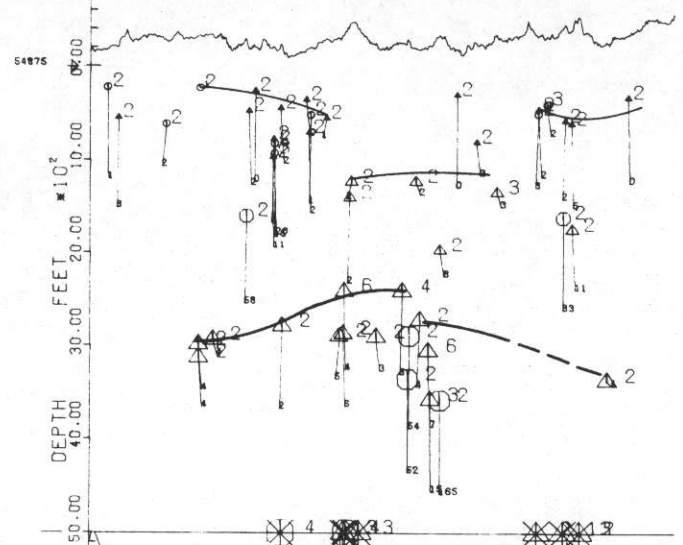
↑ EXCEEDS ALTITUDE SPECIFICATIONS



<p>NURE AERIAL GAMMA RAY AND MAGNETIC RECONNAISSANCE SURVEY</p> <p>BLIVING SOUND, ALASKA</p> <p>MAGNETIC AND ANCILLARY STACKED PROFILE DATA</p> <p>1976-1978</p> <p>BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006</p> <p>PREPARED FOR DEPARTMENT OF ENERGY</p>
--

MAG
25 GAMMAS/DIV

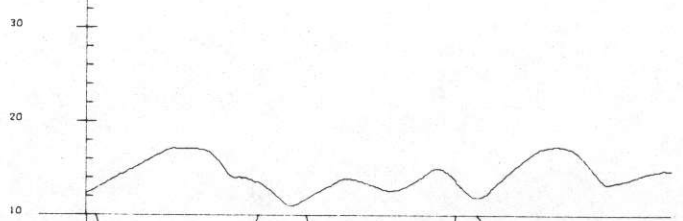
55375
55250
55125
55000
54875



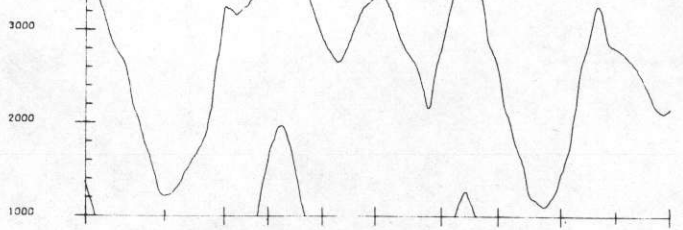
ALT
200 FT/DIV



TEMP
2.00 DEGREES/DIV



BAR ALT
200 FT/DIV

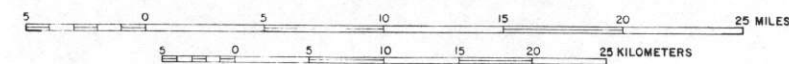


52309 52500 52601 52701 52800 52900 53001 53101 53274

TL 214

↑ EXCEEDS ALTITUDE SPECIFICATIONS

SCALE 1:500,000



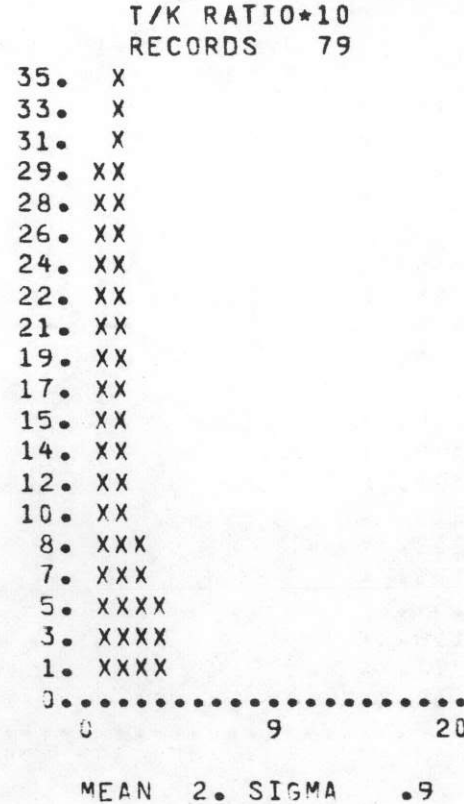
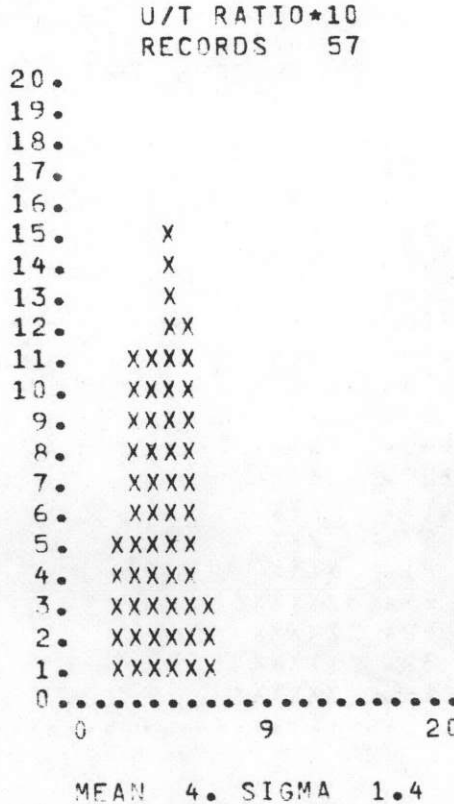
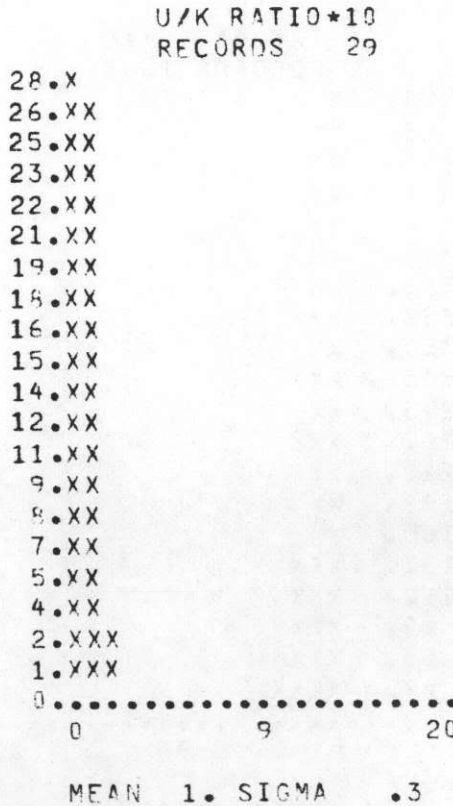
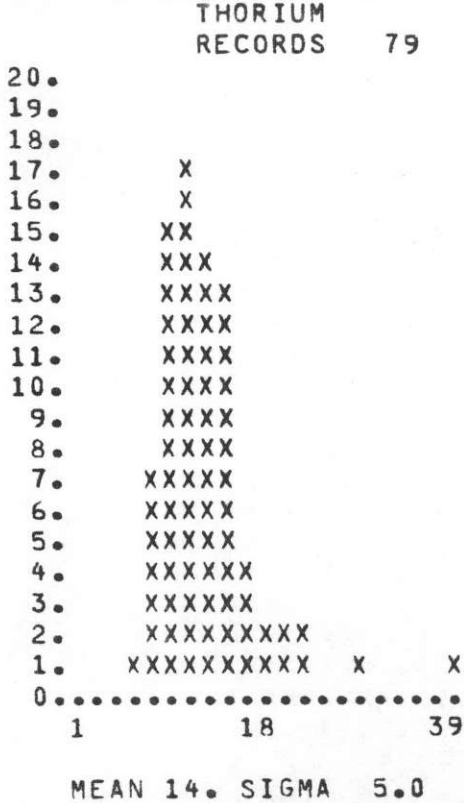
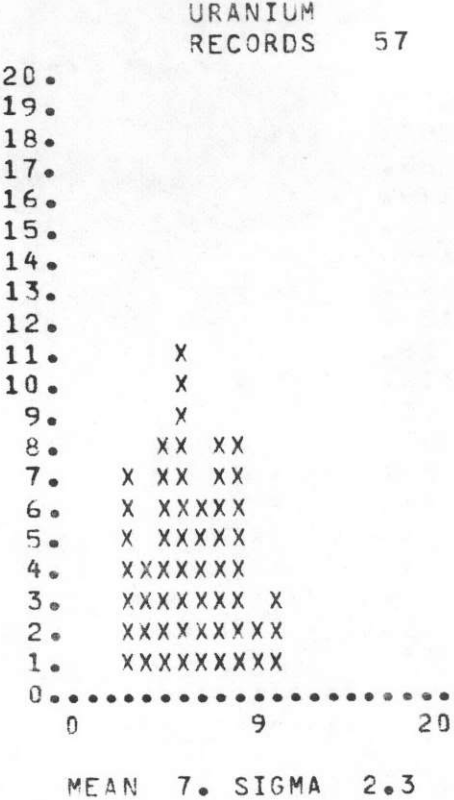
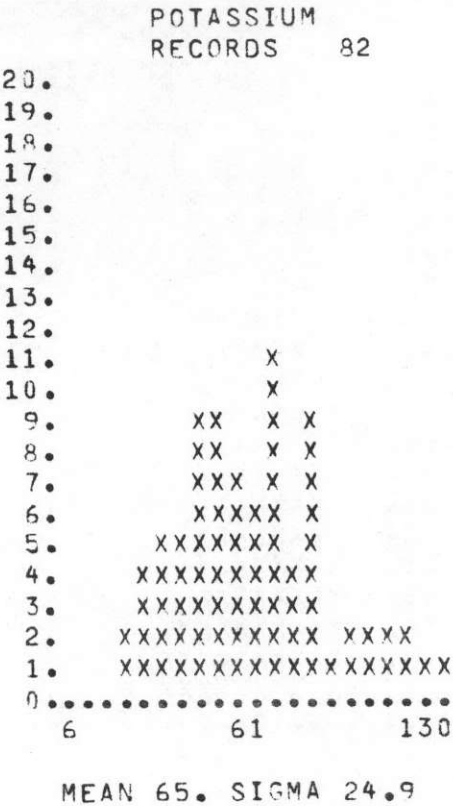
NURE AERIAL GAMMA RAY AND MAGNETIC
RECONNAISSANCE SURVEY

BLYING SOUND, ALASKA
MAGNETIC AND ANCILLARY STACKED PROFILE DATA
1976 - 1978

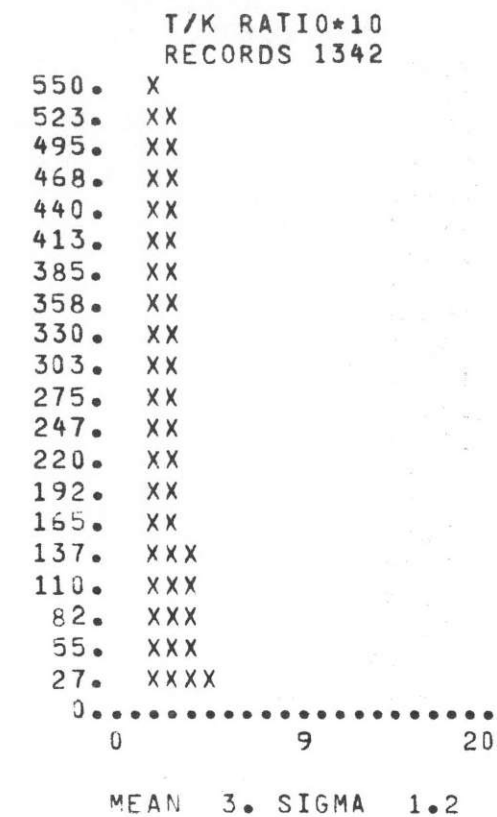
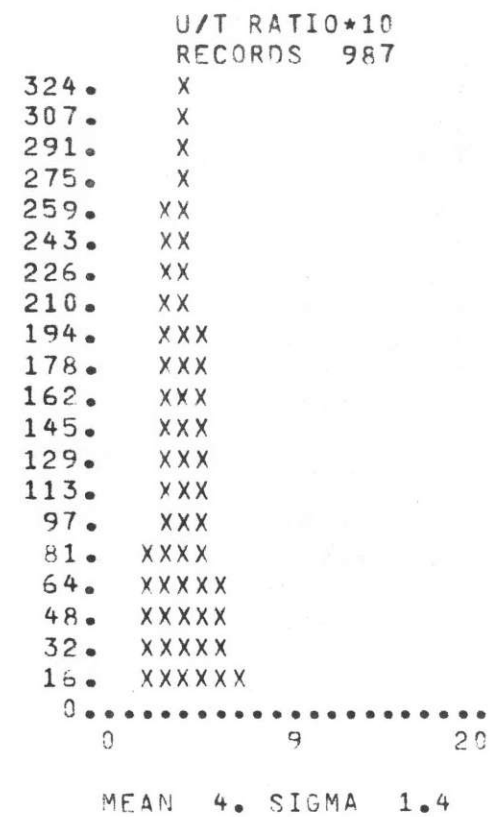
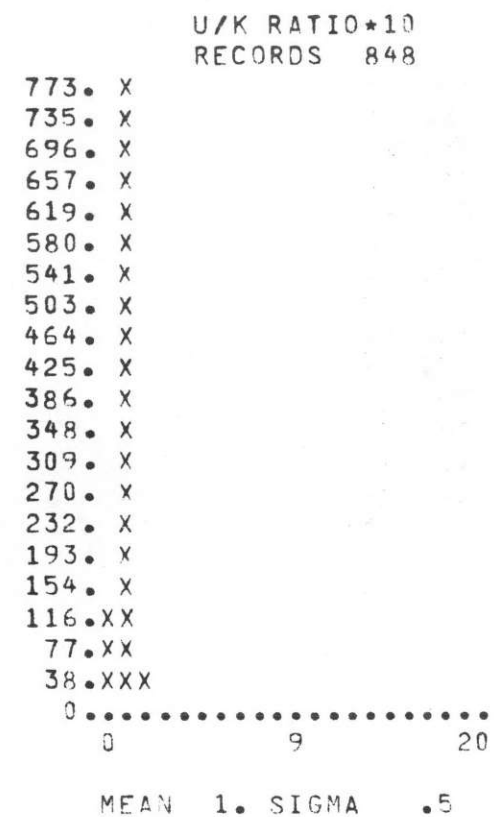
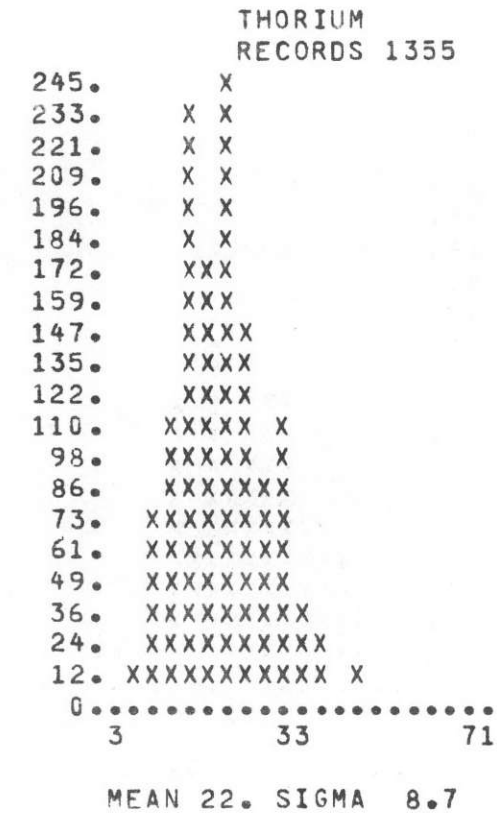
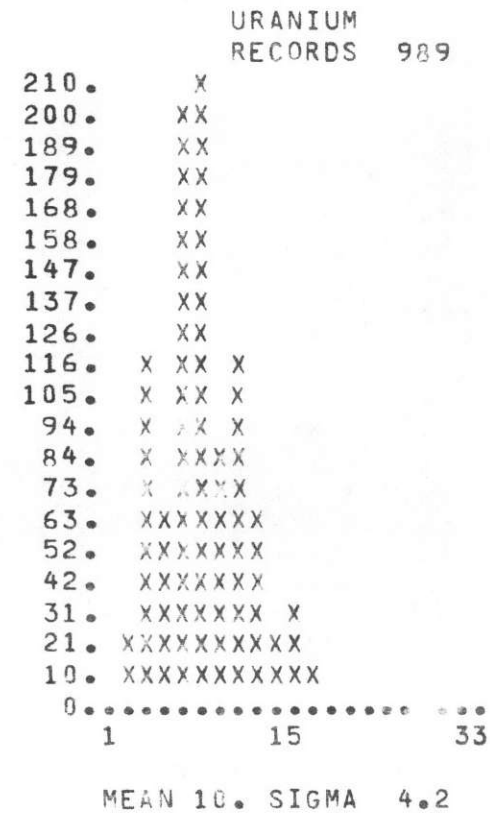
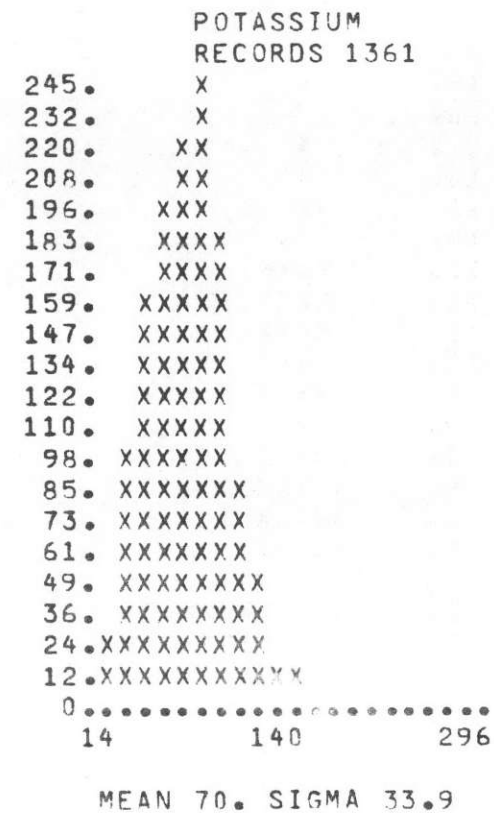
BY: LKB RESOURCES, INC. 55 BUCK ROAD HUNTINGDON VALLEY, PENNA. 19006

PREPARED FOR
DEPARTMENT OF ENERGY

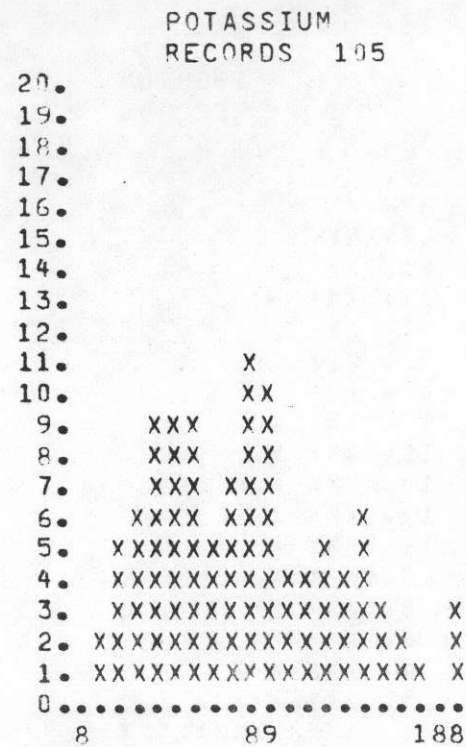
SEWARD/BLYING SOUND ALASKA LKB RESOURCES 40-76-4104 1976-78
GEOLOGIC UNIT KJM



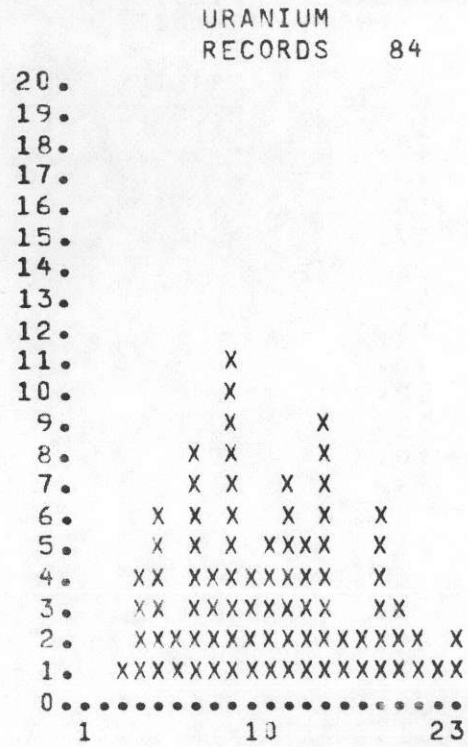
SEWARD/BLYING SOUND ALASKA LKB RESOURCES 40-76-4104 1976-78
GEOLOGIC UNIT UM.1



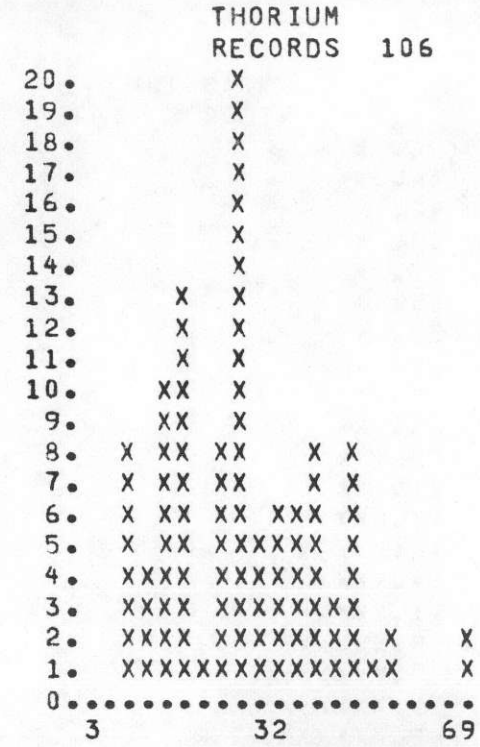
SFWARD/BLYING SOUND ALASKA LKB RESOURCES 40-76-4104 1976-78
GEOLOGIC UNIT TOG



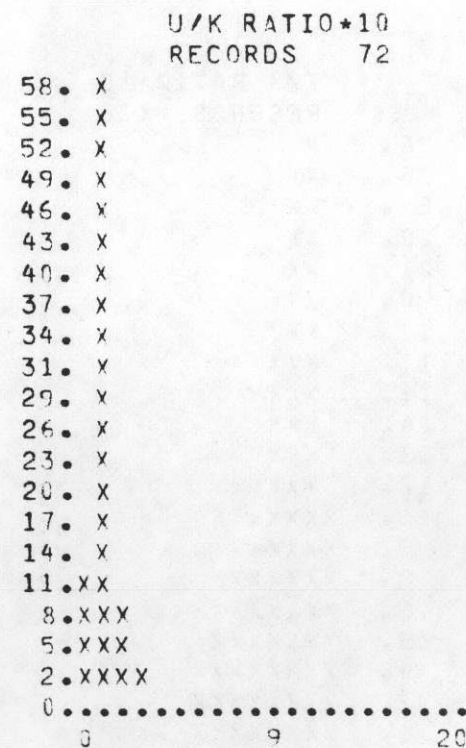
MEAN 84. SIGMA 41.9



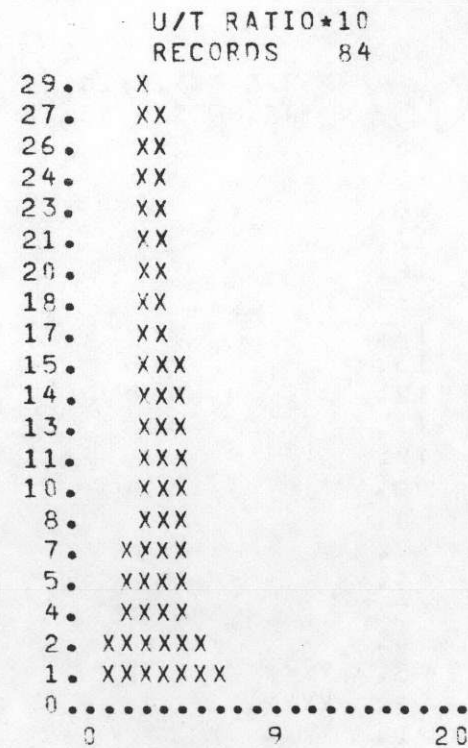
MEAN 12. SIGMA 5.2



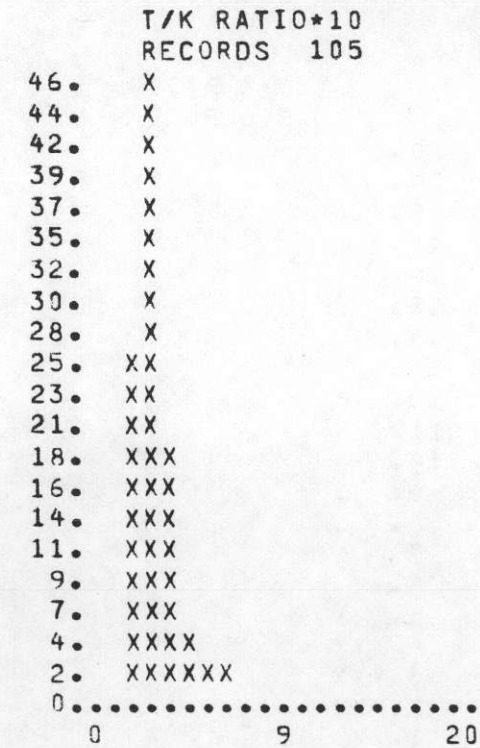
MEAN 29. SIGMA 13.5



MEAN 1. SIGMA .6



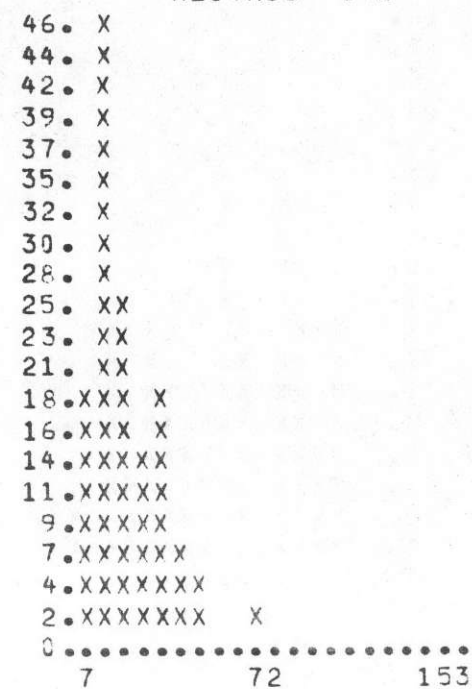
MEAN 4. SIGMA 1.1



MEAN 3. SIGMA 1.9

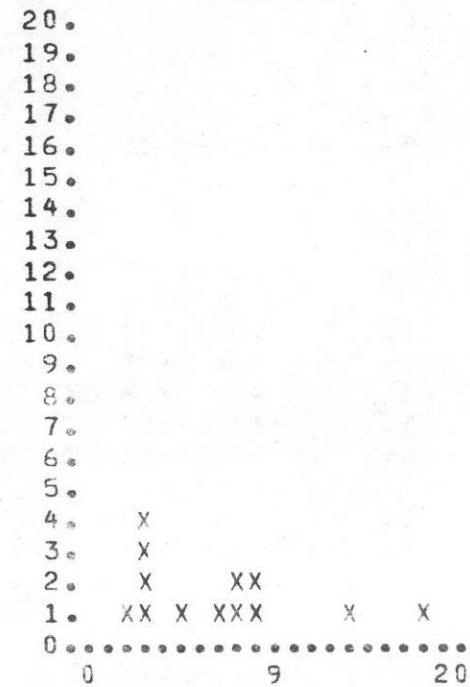
SEWARD/BLYING GEOLOGIC UNIT LKB-7 RESOURCES 40-76-4104 1976-78

POTASSIUM
RECORDS 142



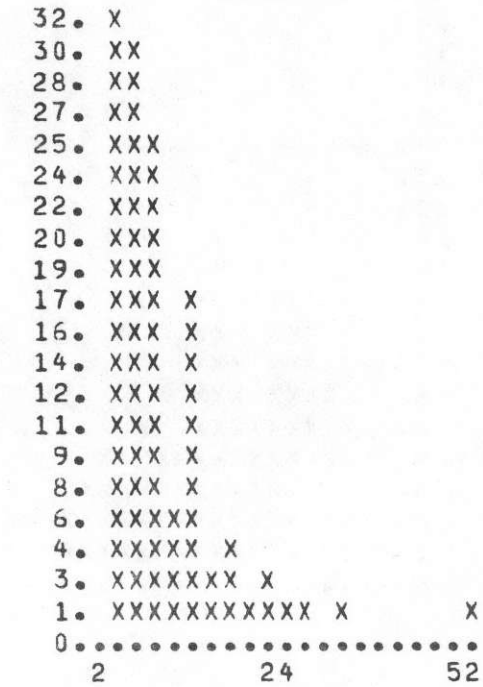
MEAN 23. SIGMA 21.6

URANIUM
RECORDS 13



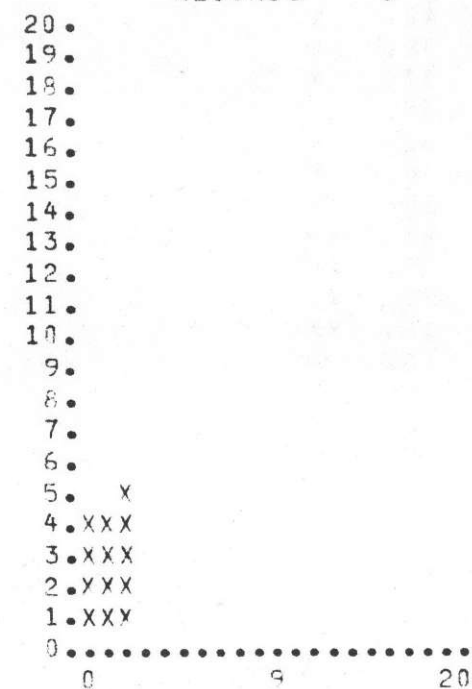
MEAN 7. SIGMA 4.8

THORIUM
RECORDS 128



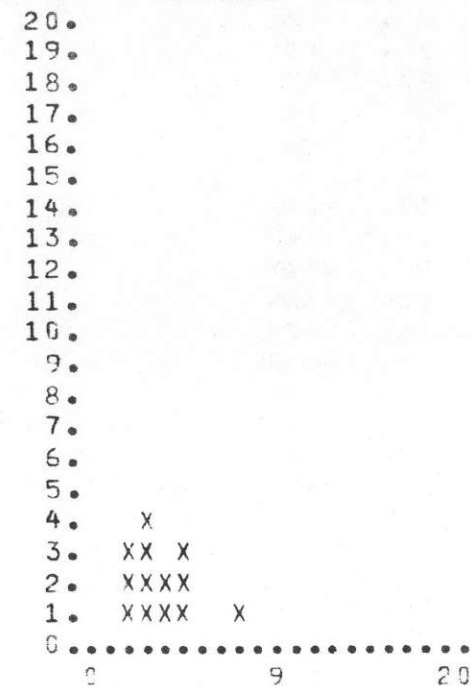
MEAN 10. SIGMA 7.8

U/K RATIO*10
RECORDS 9



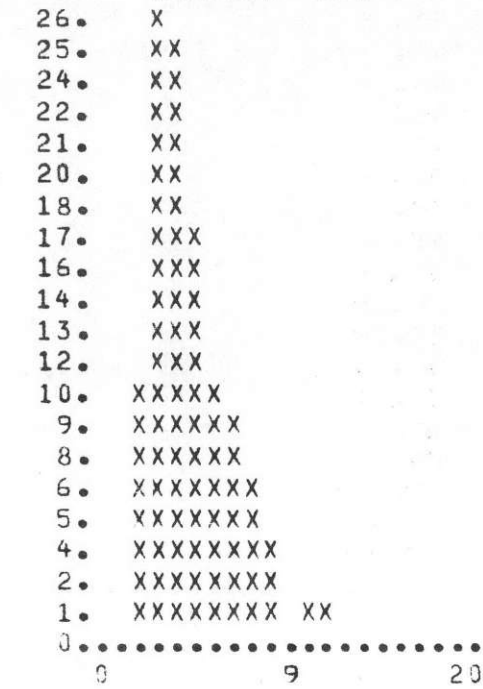
MEAN 2. SIGMA .5

U/T RATIO*10
RECORDS 13



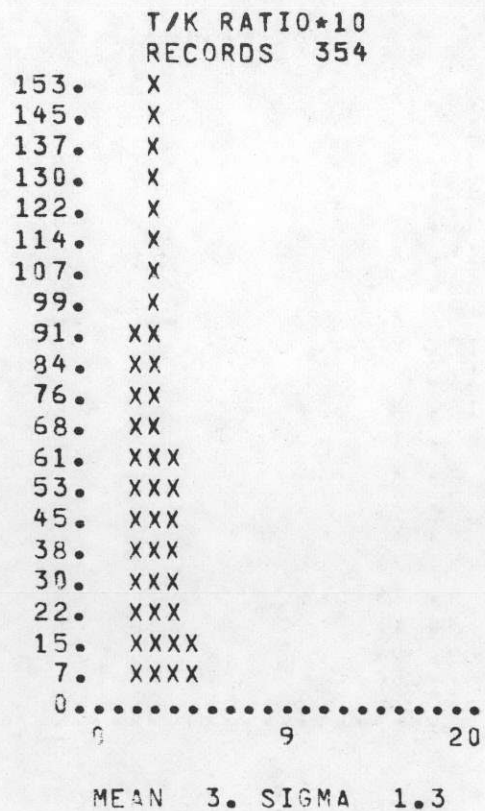
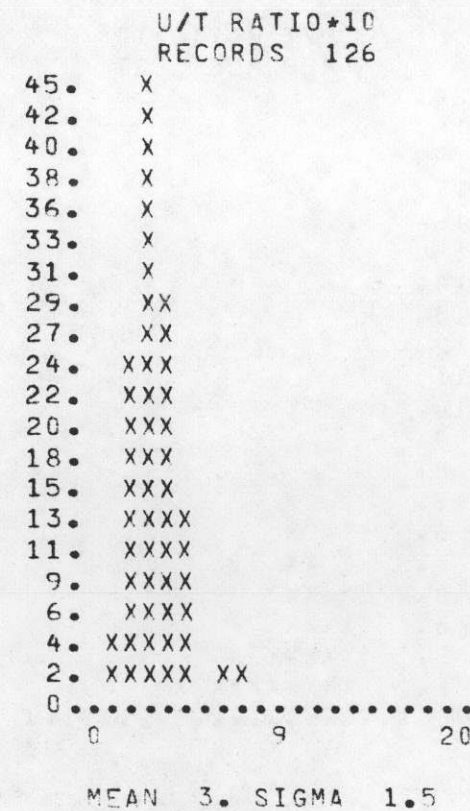
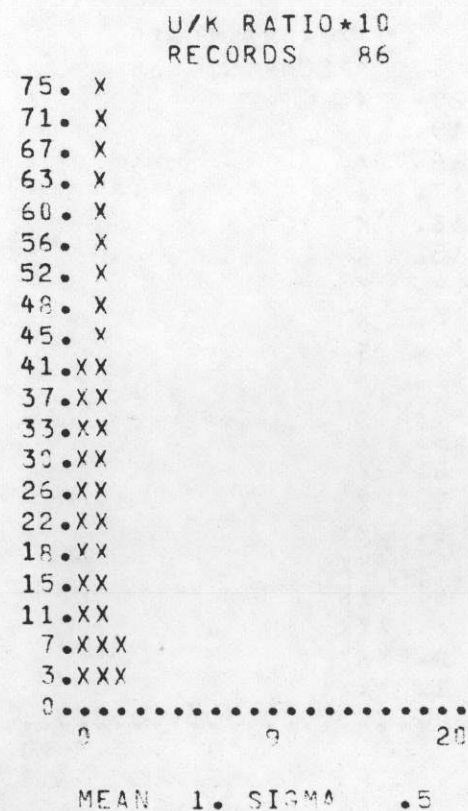
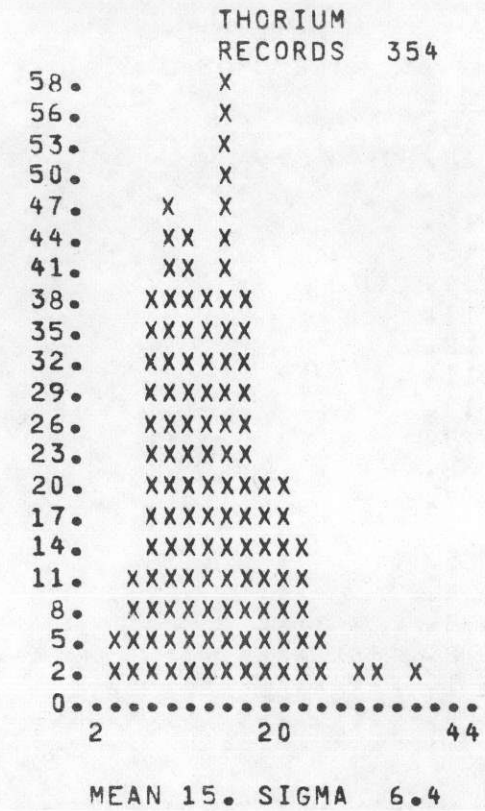
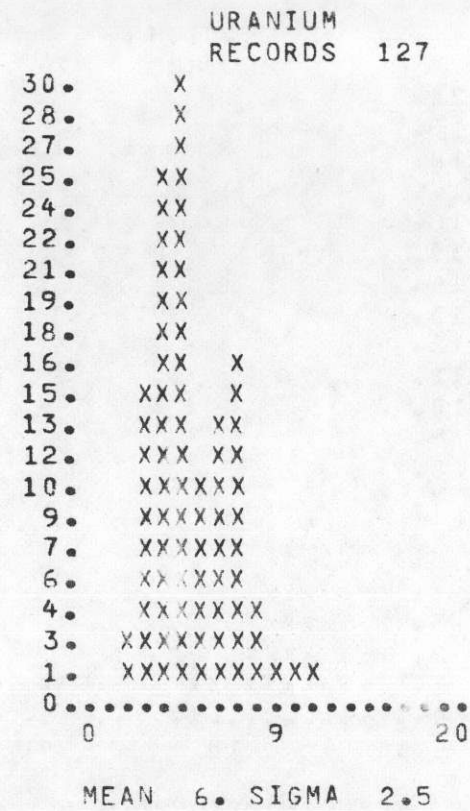
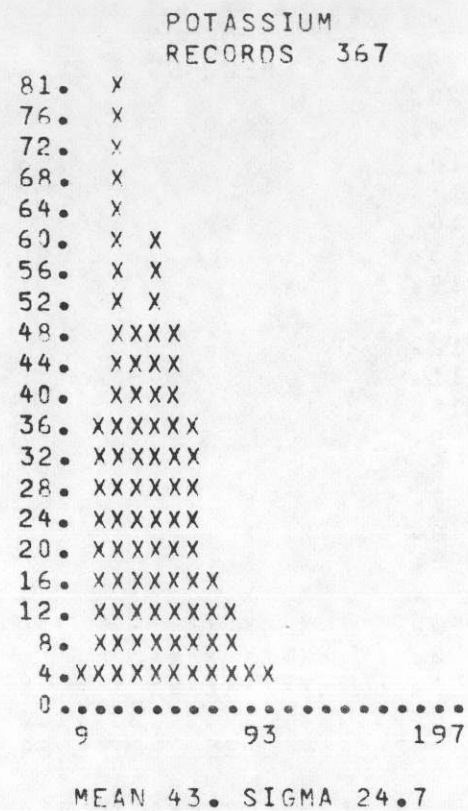
MEAN 4. SIGMA 1.7

T/K RATIO*10
RECORDS 112

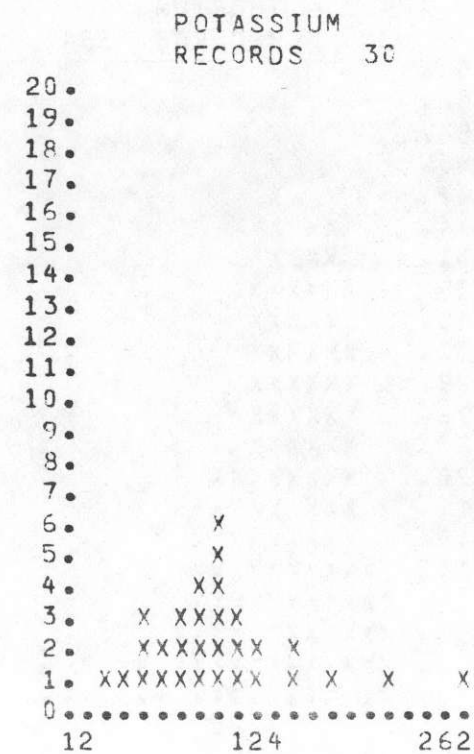


MEAN 5. SIGMA 2.1

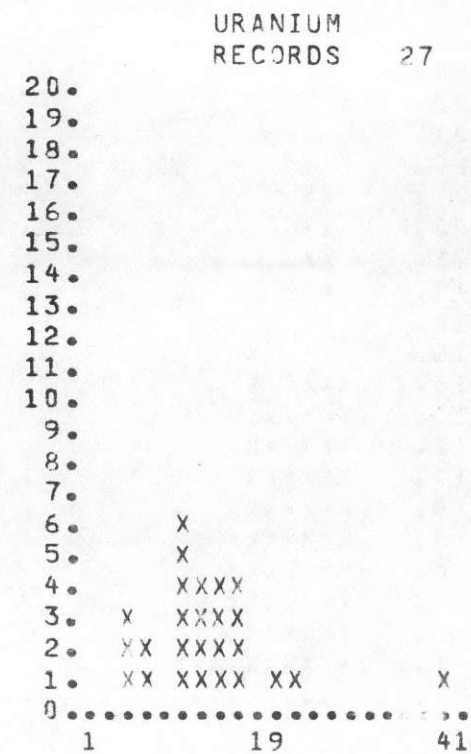
SEWARD/BLYING SOUND ALASKA LKB RESOURCES 40-76-4104 1976-78
GEOLOGIC UNIT LT



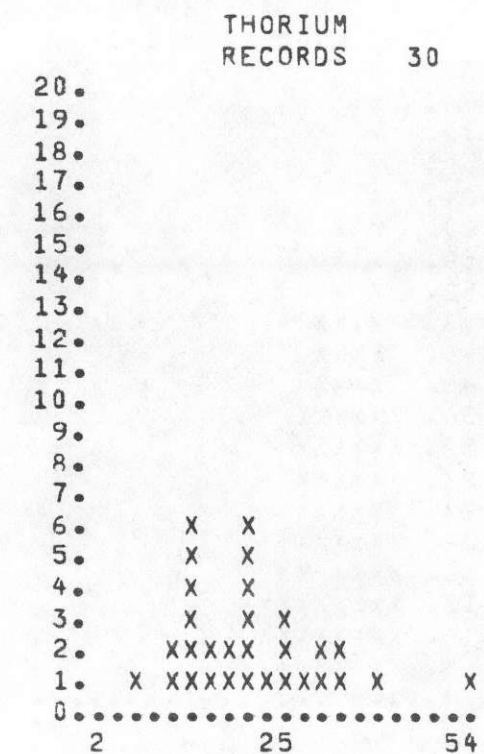
SEWARD/BLYING SOUND ALASKA LKB RESOURCES 40-76-4104 1976-78
GEOLOGIC UNIT TG



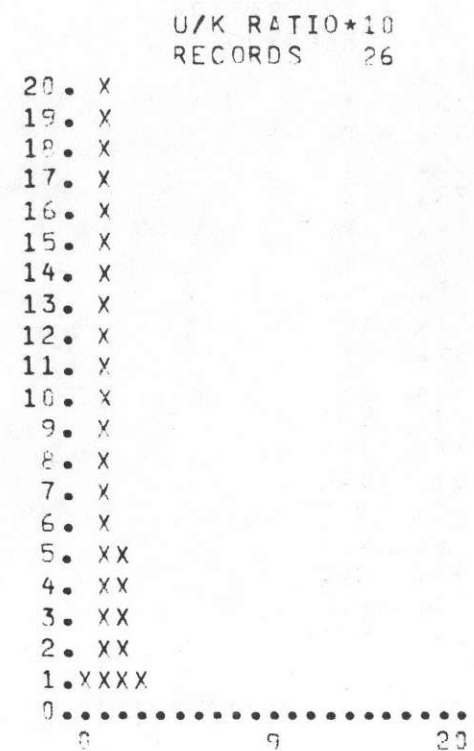
MEAN 96. SIGMA 50.6



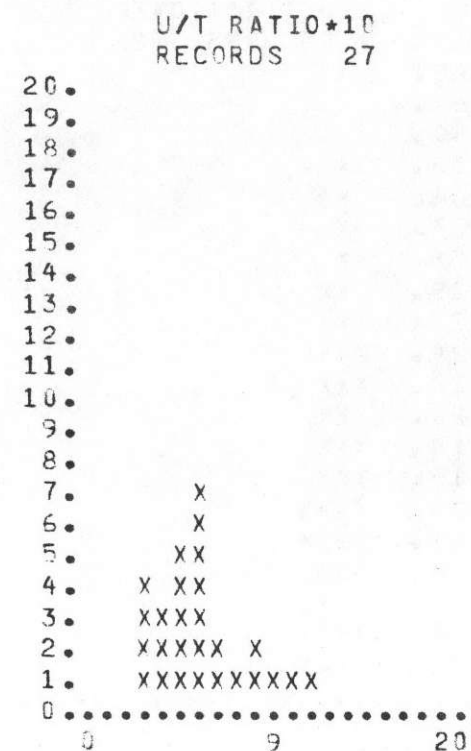
MEAN 15. SIGMA 8.8



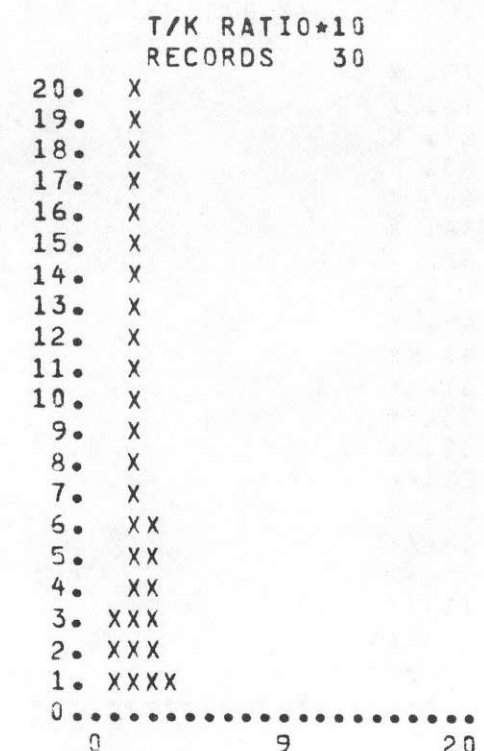
MEAN 24. SIGMA 10.3



MEAN 1. SIGMA .5

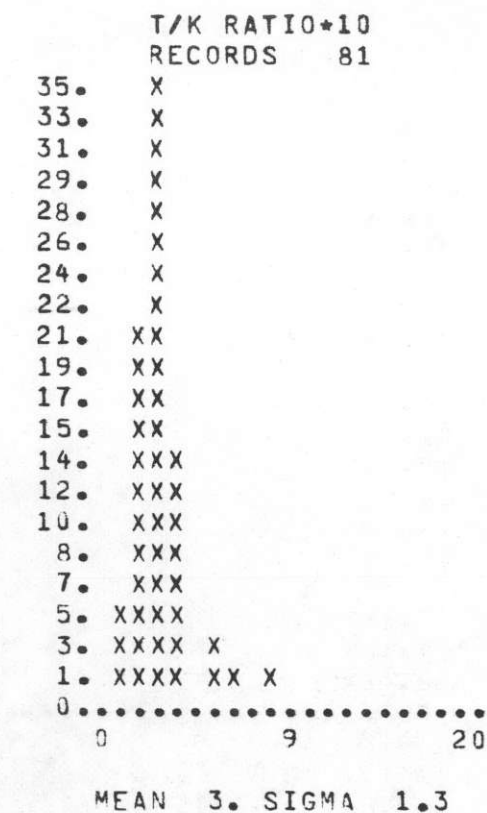
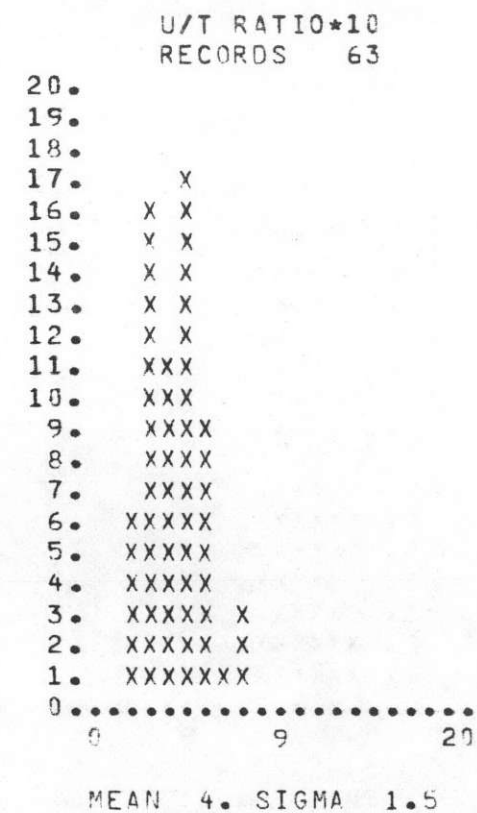
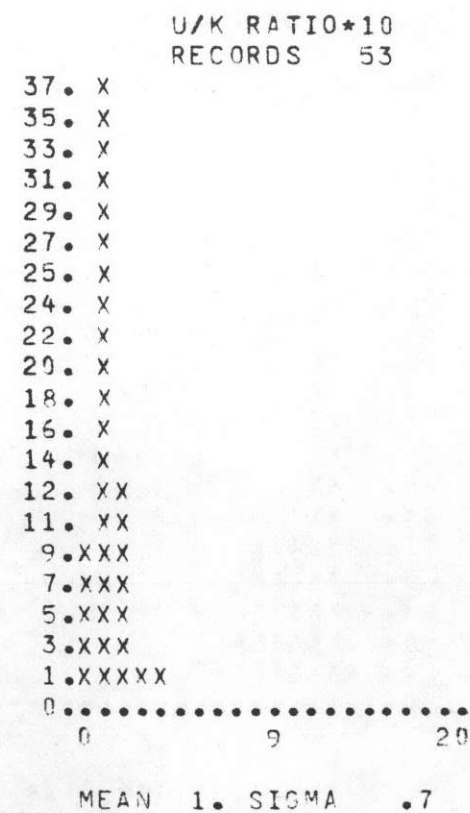
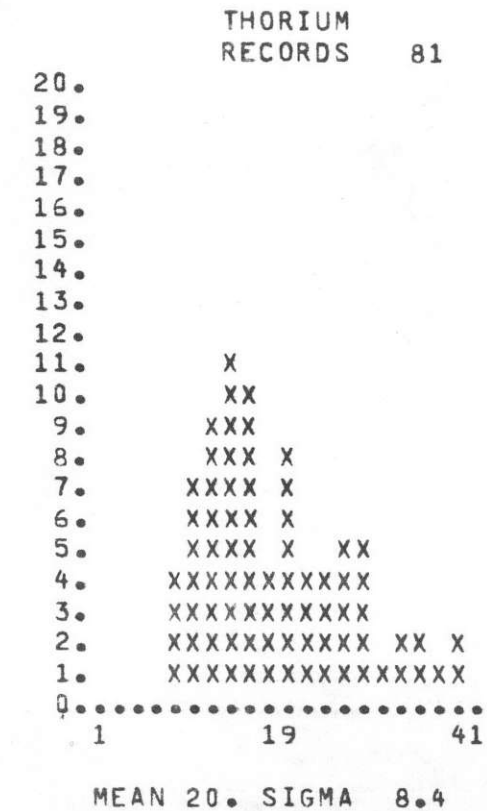
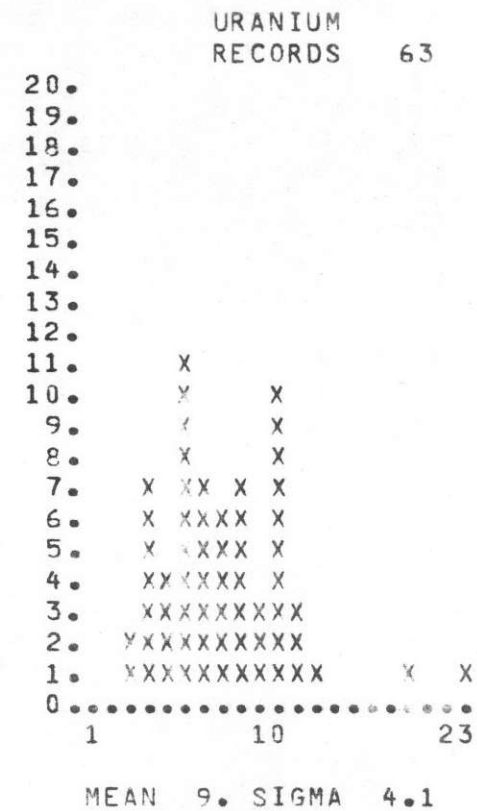
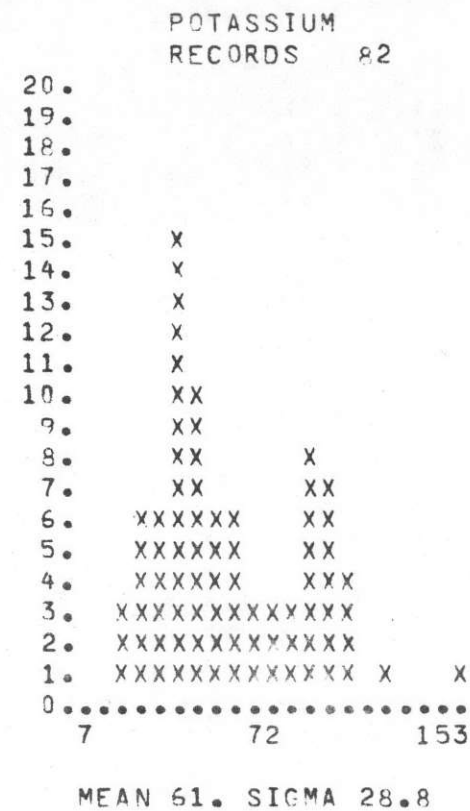


MEAN 6. SIGMA 2.4



MEAN 2. SIGMA .6

SEWARD/BLYING SOUND ALASKA LKB RESOURCES 40-76-4104 1976-78
GEOLOGIC UNIT QS



SEWARD/BLYING SOUND ALASKA LKB RESOURCES 40-76-4104 1976-78
GEOLOGIC UNIT 10

POTASSIUM
RECORDS 159

32. X
30. X
28. XX
27. XX
25. XX
24. XXX
22. XXXX
20. XXXX
19. XXXX
17. XXXX
16. XXXX
14. XXXX
12. XXXXX
11. XXXXXXX
9. XXXXXXX
8. XXXXXXX
6. XXXXXXX
4. XXXXXXX
3. XXXXXXX
1. XXXXXXX XX X
0.
12 126 266

MEAN 45. SIGMA 38.1

URANIUM
RECORDS 66

20.
19.
18.
17.
16.
15. X
14. X
13. X
12. X
11. XX
10. XX
9. XXX
8. XXX
7. XXX
6. XXXX
5. XX X X
4. XXXXXXX
3. XXXXXXX XX
2. XXXXXXX XX X
1. XXXXXXX XXX X X
0.
1 13 29

MEAN 9. SIGMA 5.8

THORIUM
RECORDS 153

25. XX
24. XX
23. X XX
22. X XX
20. X XX
19. X XX
18. X XX
16. X XX
15. XX XX
14. XX XX
12. XX XXX
11. XX XXX
10. XXXXXXX
9. XXXXXXX
7. XXXXXXX
6. XXXXXXX
5. XXXXXXX
3. XXXXXXX
2. XXXXXXX X
1. XXXXXXX X X XX X
0.
2 25 54

MEAN 15. SIGMA 9.1

U/K RATIO*10
RECORDS 57

48. X
45. X
43. X
40. X
38. X
36. X
33. X
31. X
28. X
26. X
24. X
21. X
19. X
16. X
14. X
12. X
9. XX
7. XXX
4. XXX
2. XXX
0.
0 9 20

MEAN 1. SIGMA .7

U/T RATIO*10
RECORDS 66

20.
19.
18.
17. X
16. X
15. XX
14. XX
13. XXX
12. XXX
11. XXX
10. XXX
9. XXX
8. XXX
7. XXX
6. XXXXX
5. XXXXX
4. XXXXX
3. XXXXX
2. XXXXXXX
1. XXXXXXX X XX
0.
0 9 20

MEAN 4. SIGMA 2.2

T/K RATIO*10
RECORDS 131

46. X
44. X
42. X
39. X
37. X
35. XX
32. XX
30. XX
28. XX
25. XX
23. XX
21. XX
18. XX
16. XX
14. XXX
11. XXX X
9. XXXX
7. XXXX
4. XXXXX
2. XXXXXXX
0.
0 9 20

MEAN 3. SIGMA 1.8

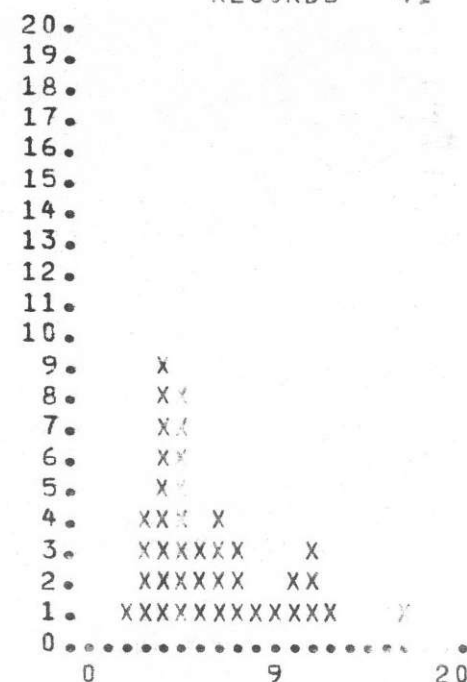
SEWARD/BLYING SOUND ALASKA LKB RESOURCES 40-76-4104 1976-78
GEOLOGIC UNIT WATER

POTASSIUM
RECORDS 219



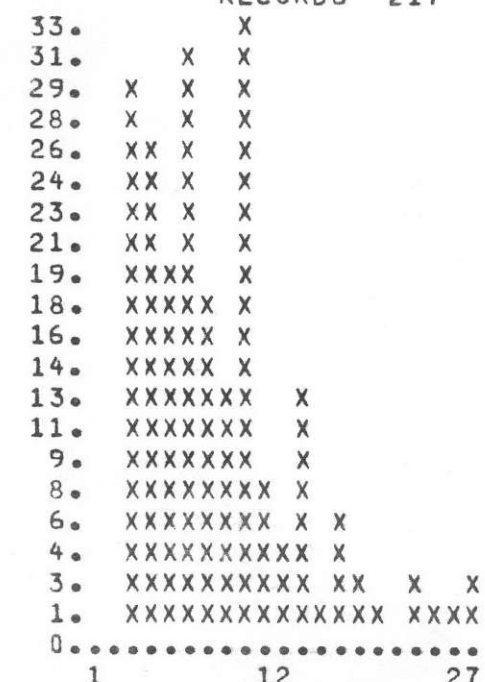
MEAN 19. SIGMA 18.4

URANIUM
RECORDS 41



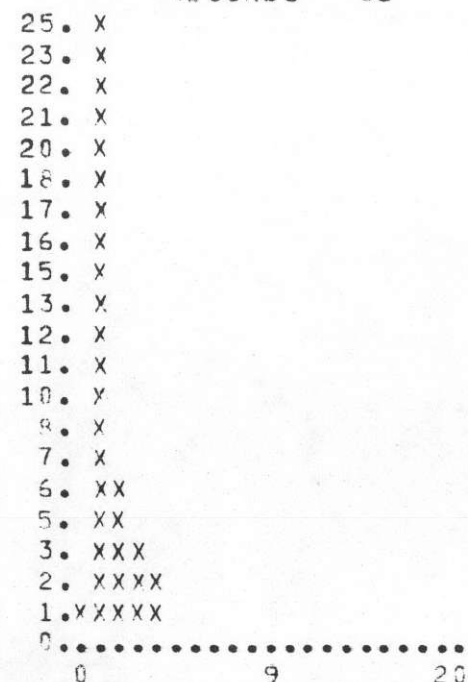
MEAN 7. SIGMA 3.4

THORIUM
RECORDS 217



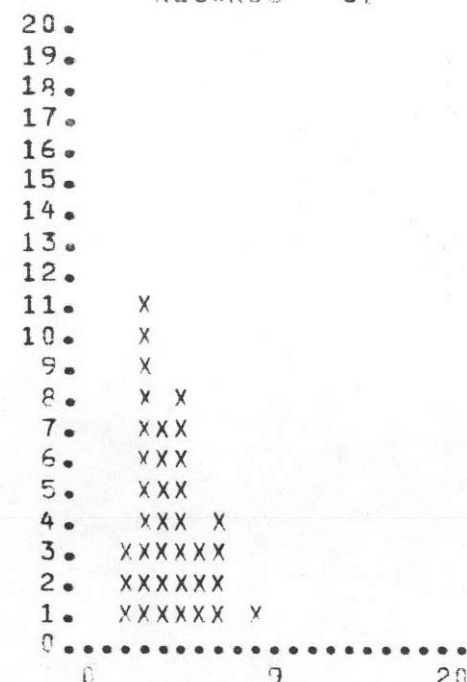
MEAN 10. SIGMA 5.2

U/K RATIO*10
RECORDS 36



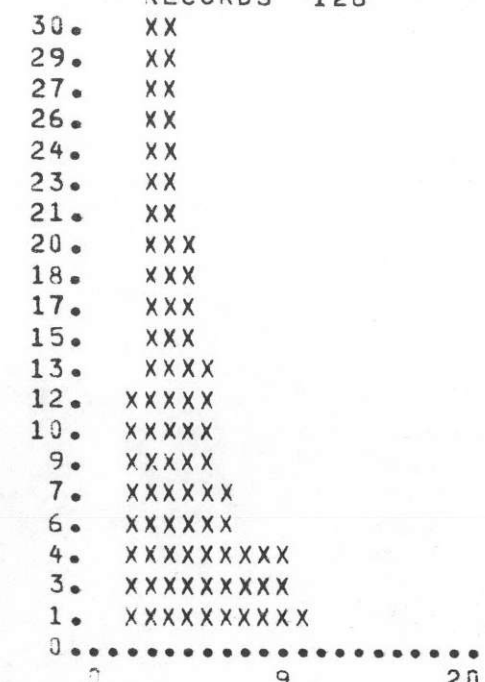
MEAN 1. SIGMA .9

U/T RATIO*10
RECORDS 37



MEAN 4. SIGMA 1.7

T/K RATIO*10
RECORDS 128



MEAN 5. SIGMA 2.0

